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**AS BUILTS**

SIGNED

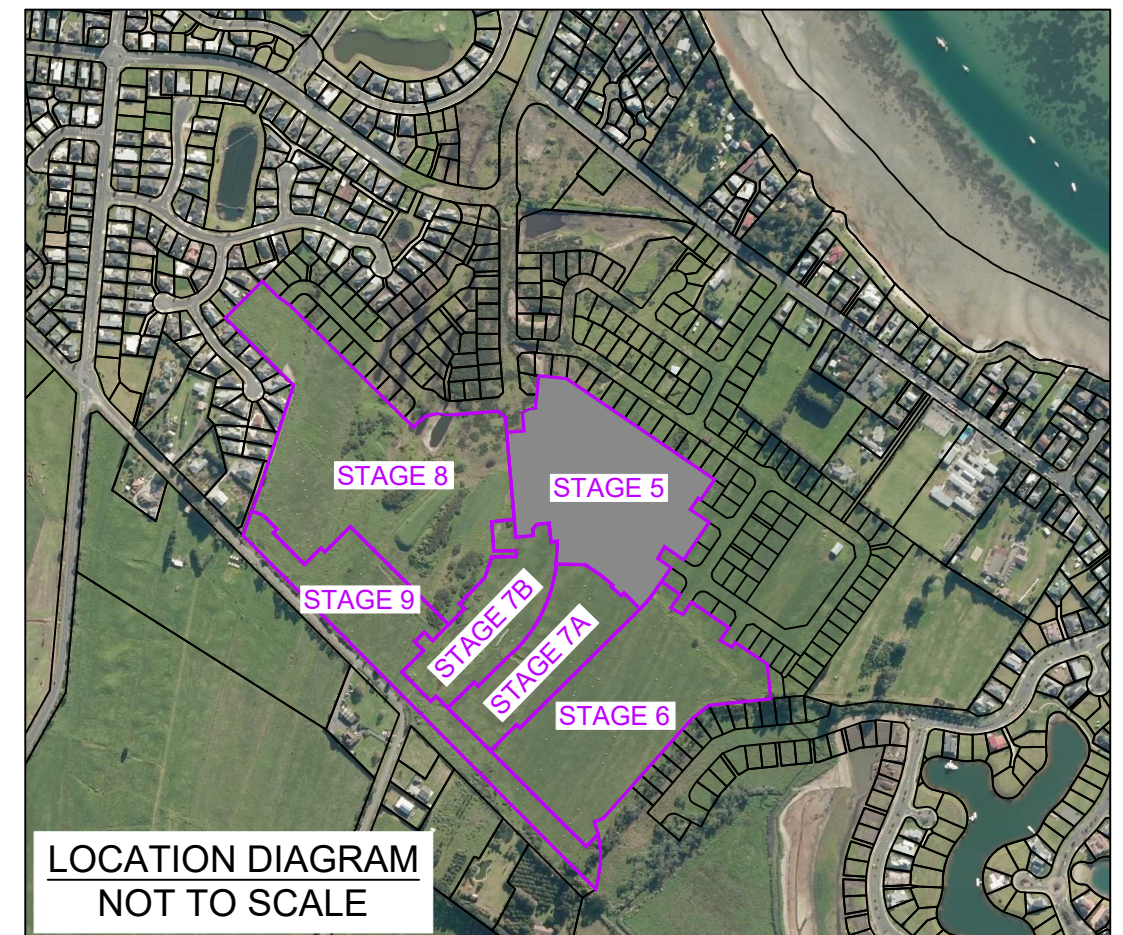
10/03/2022  
DATE

# AS BUILT PLANS

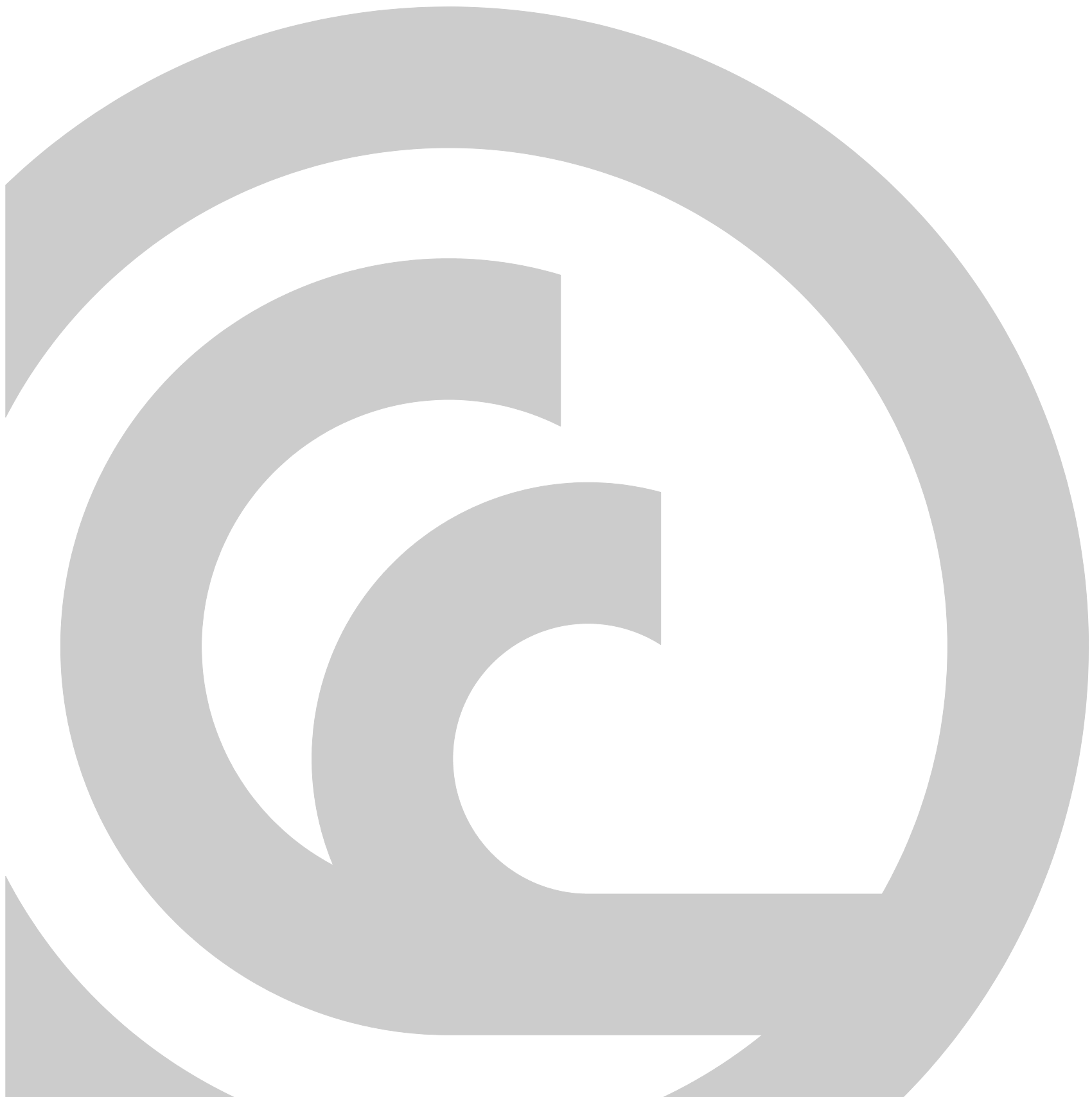
**FOR WFH PROPERTIES LTD,  
THE LANDING, STAGE 5,  
ONE TREE POINT**

WDC REF: SD1800110

JOB NO:14333-004  
DATE: 10 MARCH 2022



DWG NUMBER	REV.
AB000	A



**SCHEDULE OF DRAWINGS**


SHEET #	TITLE	REV
<b>AB000 - GENERAL</b>		
AB000	COVER SHEET & LOCATION DIAGRAM	A
AB001	DRAWING INDEX	A
<b>AB500 - ROADING</b>		
AB500	ROADING LAYOUT - OVERVIEW	A
AB501	ROADING LAYOUT - SHEET 1	A
AB502	ROADING LAYOUT - SHEET 2	A
AB503	ROADING LAYOUT - SHEET 3	A
AB504	ROADING LAYOUT - SHEET 4	A
AB510	ROADING TYPICAL SECTIONS - SHEET 1	A
AB511	ROADING TYPICAL SECTIONS - SHEET 2	A
AB512	COMBINED SERVICE TRENCH DETAILS	A
AB513	PAVEMENT DETAILS	A
AB514	SPEED HUMP DETAILS	A
AB515	SPEED HUMP DETAILS	A
AB560	LINEMARKING & SIGNPOSTING PLAN - INTERSECTION ROADS 10 & 19	A
AB561	LINEMARKING & SIGNPOSTING PLAN - SPEED HUMPS ROAD 6	A
AB562	LINEMARKING & SIGNPOSTING PLAN - INTERSECTION ROADS 7 & 19	A
AB570	VEHICLE CROSSING - JOAL 706 & LOT 253	A
<b>AB600 - DRAINAGE</b>		
AB600	STORMWATER PLAN - OVERVIEW	A
AB601	STORMWATER PLAN - SHEET 1	A
AB602	STORMWATER PLAN - SHEET 2	A
AB603	STORMWATER PLAN - SHEET 3	A
AB604	STORMWATER PLAN - SHEET 4	A
AB610	SANITARY SEWER PLAN - OVERVIEW	A
AB611	SANITARY SEWER PLAN - SHEET 1	A
AB612	SANITARY SEWER PLAN - SHEET 2	A
AB613	SANITARY SEWER PLAN - SHEET 3	A
AB614	SANITARY SEWER PLAN - SHEET 4	A
AB630	STORMWATER LONGSECTIONS - SHEET 1	A
AB631	STORMWATER LONGSECTIONS - SHEET 2	A
AB632	STORMWATER LONGSECTIONS - SHEET 3	A
AB633	STORMWATER LONGSECTIONS - SHEET 4	A
AB634	STORMWATER LONGSECTIONS - SHEET 5	A
AB635	STORMWATER LONGSECTIONS - SHEET 6	A
AB636	STORMWATER LONGSECTIONS - SHEET 7	A
AB637	STORMWATER LONGSECTIONS - SHEET 8	A
AB638	STORMWATER LONGSECTIONS - SHEET 9	A
AB660	SANITARY SEWER LONGSECTIONS - SHEET 1	A
AB661	SANITARY SEWER LONGSECTIONS - SHEET 2	A
AB662	SANITARY SEWER LONGSECTIONS - SHEET 3	A
AB663	SANITARY SEWER LONGSECTIONS - SHEET 4	A
AB664	SANITARY SEWER LONGSECTIONS - SHEET 5	A
AB665	SANITARY SEWER LONGSECTIONS - SHEET 6	A
AB666	SANITARY SEWER LONGSECTIONS - SHEET 7	A
AB667	SANITARY SEWER LONGSECTIONS - SHEET 8	A
AB670	TYPICAL MANHOLE DETAILS	A
AB671	TYPICAL SUMP DETAILS & SADDLE CONNECTION DETAILS	A
AB672	TYPICAL INLET & OUTLET STRUCTURES	A
AB673	TYPICAL STORMWATER & SEWER CONNECTIONS	A
AB674	TYPICAL TRENCH & HEADWALL DETAILS	A
AB675	BOUNDARY KIT WITH EXTENDED STUBS	A

AB676	FLUSHING POINT DETAIL	A
AB677	2010 IP SIMPLEX 800 x 200 IP	A
AB678	TYPICAL BRANCH ARRANGEMENT	A

<b>AB700 - POTABLE WATER</b>		
AB700	POTABLE WATER PLAN - OVERVIEW	A
AB701	POTABLE WATER PLAN - SHEET 1	A
AB702	POTABLE WATER PLAN - SHEET 2	A
AB703	POTABLE WATER PLAN - SHEET 3	A
AB704	POTABLE WATER PLAN - SHEET 4	A
AB705	POTABLE WATER PLAN - SHEET 5	A
AB710	POTABLE WATER LONGSECTIONS - SHEET 1	A
AB711	POTABLE WATER LONGSECTIONS - SHEET 2	A
AB712	POTABLE WATER LONGSECTIONS - SHEET 3	A
AB713	POTABLE WATER LONGSECTIONS - SHEET 4	A
AB714	POTABLE WATER LONGSECTIONS - SHEET 5	A
AB715	POTABLE WATER LONGSECTIONS - SHEET 6	A
AB716	POTABLE WATER LONGSECTIONS - SHEET 7	A
AB717	POTABLE WATER LONGSECTIONS - SHEET 8	A
AB718	POTABLE WATER LONGSECTIONS - SHEET 9	A
AB719	POTABLE WATER LONGSECTIONS - SHEET 10	A
AB720	POTABLE WATER TYPICAL DETAILS - SHEET 1	A
AB721	POTABLE WATER TYPICAL DETAILS - SHEET 2	A
AB722	POTABLE WATER TYPICAL DETAILS - SHEET 3	A

<b>AB800 - ASSET REGISTER</b>		
AB800	STORMWATER ASSET REGISTER - SHEET 1	A
AB801	STORMWATER ASSET REGISTER - SHEET 2	A
AB802	STORMWATER ASSET REGISTER - SHEET 3	A
AB810	SEWER ASSET REGISTER - SHEET 1	A
AB811	SEWER ASSET REGISTER - SHEET 2	A
AB812	SEWER ASSET REGISTER - SHEET 3	A
AB820	POTABLE WATER REGISTER - SHEET 1	A
AB821	POTABLE WATER REGISTER - SHEET 2	A
AB822	POTABLE WATER REGISTER - SHEET 3	A

<b>AB900 - LANDSCAPING</b>		
AB900	LANDSCAPING - TREES	A

  
 PHILIP COOK  
 WDC IQP#014

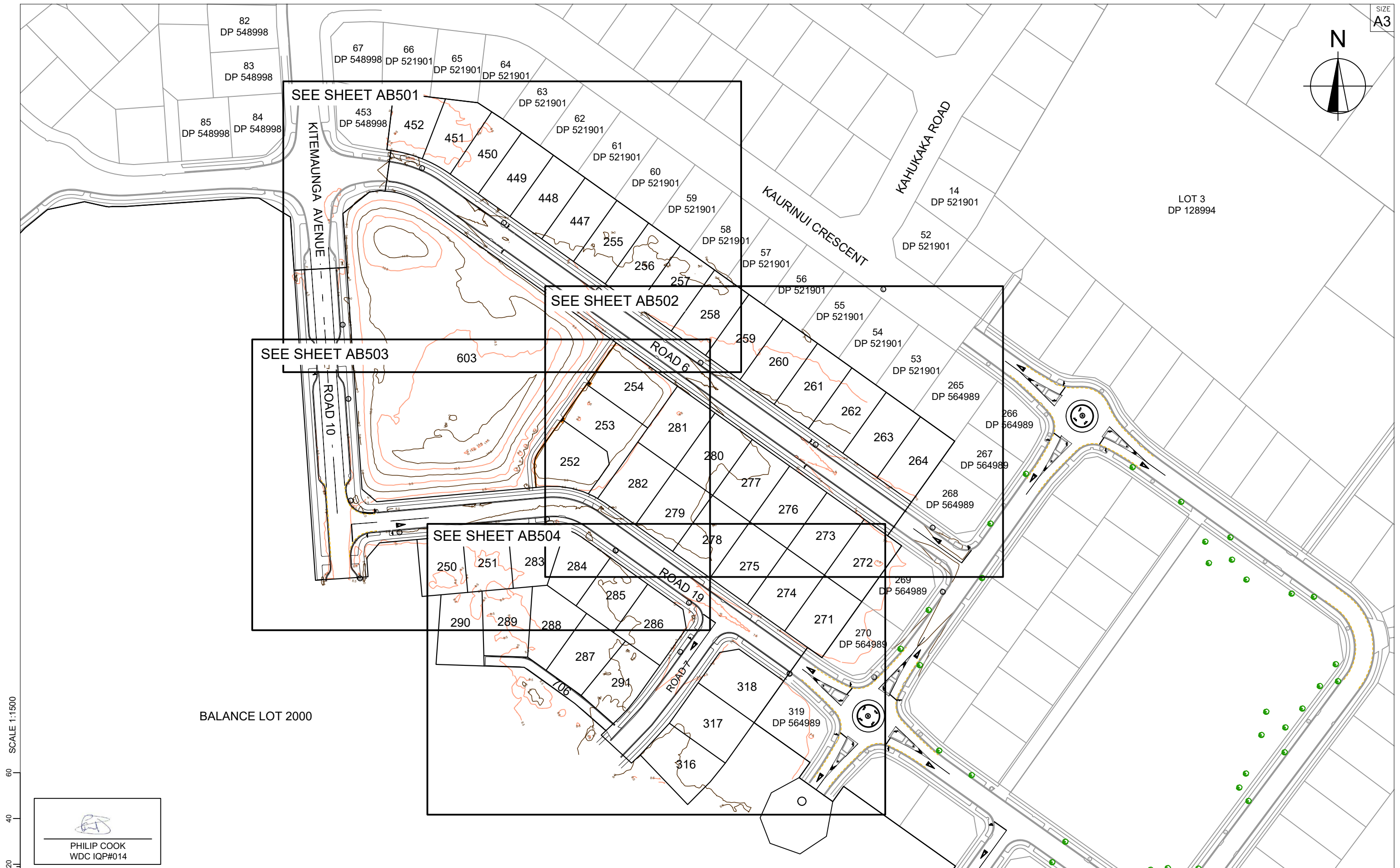
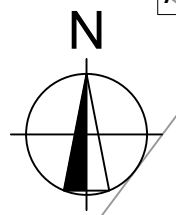


C			
B			
A	1st ISSUE	10-03-22	KH   PC
REV.	REVISION DETAILS	DRAWN APP.	


PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**DRAWING INDEX**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE NTS @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB001</b>		REVISION <b>A</b>	



SCALE 1:1500  
0 20 40 60

  
PHILIP COOK  
WDC IQP#014

BALANCE LOT 2000



C			
B			
A	1st ISSUE	10-03-22	KH   PC
REV.	REVISION DETAILS	DATE	DRAWN APP.

PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**ROADING LAYOUT**  
**OVERVIEW**

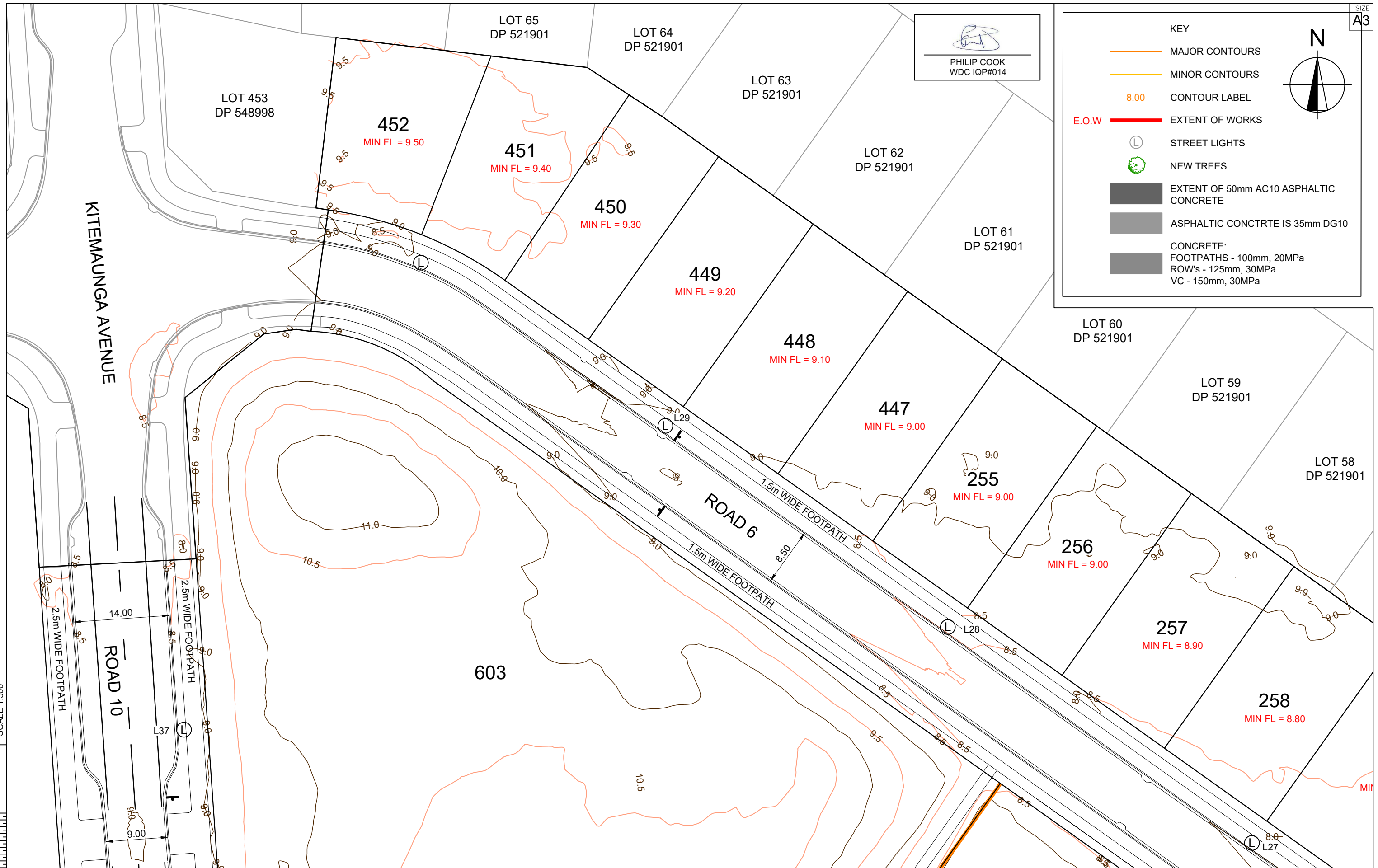
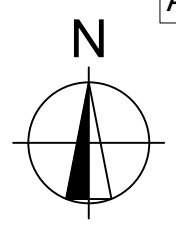
DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:1500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB500</b>	REVISION <b>A</b>		

SCALE 1:1500  
0 20 40 60

PHILIP COOK  
WDC IQP#014

KEY

- MAJOR CONTOURS
- MINOR CONTOURS
- 8.00 CONTOUR LABEL
- E.O.W EXTENT OF WORKS
- STREET LIGHTS
- NEW TREES
- EXTENT OF 50mm AC10 ASPHALTIC CONCRETE
- ASPHALTIC CONCTRTE IS 35mm DG10
- CONCRETE:  
FOOTPATHS - 100mm, 20MPa  
ROW's - 125mm, 30MPa  
VC - 150mm, 30MPa



SCALE 1:500



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B			
A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS

WFH PROPERTIES LIMITED  
THE LANDING - STAGE 5  
ONE TREE POINT  
RUAKAKA

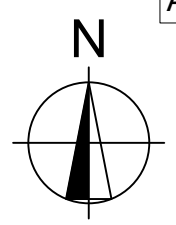
TITLE

ROADING LAYOUT  
SHEET 1

DATE CREATED	10/03/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-004	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB501		REVISION	A			

**KEY**

- MAJOR CONTOURS
- MINOR CONTOURS
- 8.00 CONTOUR LABEL
- E.O.W EXTENT OF WORKS
- STREET LIGHTS
- NEW TREES
- EXTENT OF 50mm AC10 ASPHALTIC CONCRETE
- ASPHALTIC CONCRTRTE IS 35mm DG10
- CONCRETE:
  - FOOTPATHS - 100mm, 20MPa
  - ROW's - 125mm, 30MPa
  - VC - 150mm, 30MPa



SEE SHEET AB570

SEE ROAD MARKINGS PLAN SHEET AB561

PHILIP COOK  
WDC IQP#014



C			
B			
A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**ROADING LAYOUT**  
**SHEET 2**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB502</b>	REVISION <b>A</b>		

SCALE 1:500

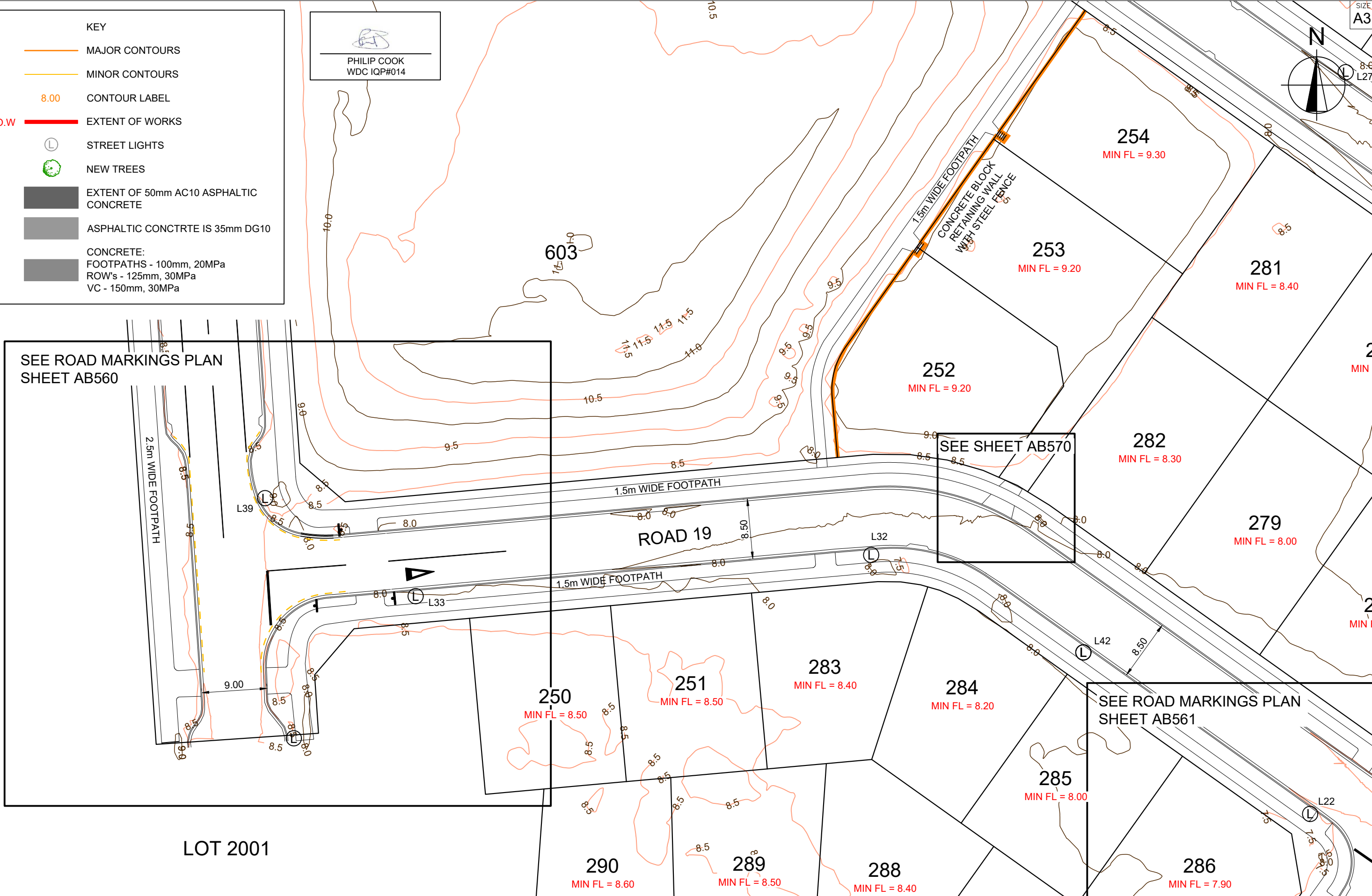
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KEY	
	MAJOR CONTOURS
	MINOR CONTOURS
8.00	CONTOUR LABEL
	EXTENT OF WORKS
	STREET LIGHTS
	NEW TREES
	EXTENT OF 50mm AC10 ASPHALTIC CONCRETE
	ASPHALTIC CONCTRTE IS 35mm DG10
	CONCRETE: FOOTPATHS - 100mm, 20MPa ROW's - 125mm, 30MPa VC - 150mm, 30MPa

PHILIP COOK  
WDC IQP#014



SIZE  
A3



SEE ROAD MARKINGS PLAN SHEET AB560

SEE SHEET AB570

SEE ROAD MARKINGS PLAN SHEET AB561

LOT 2001

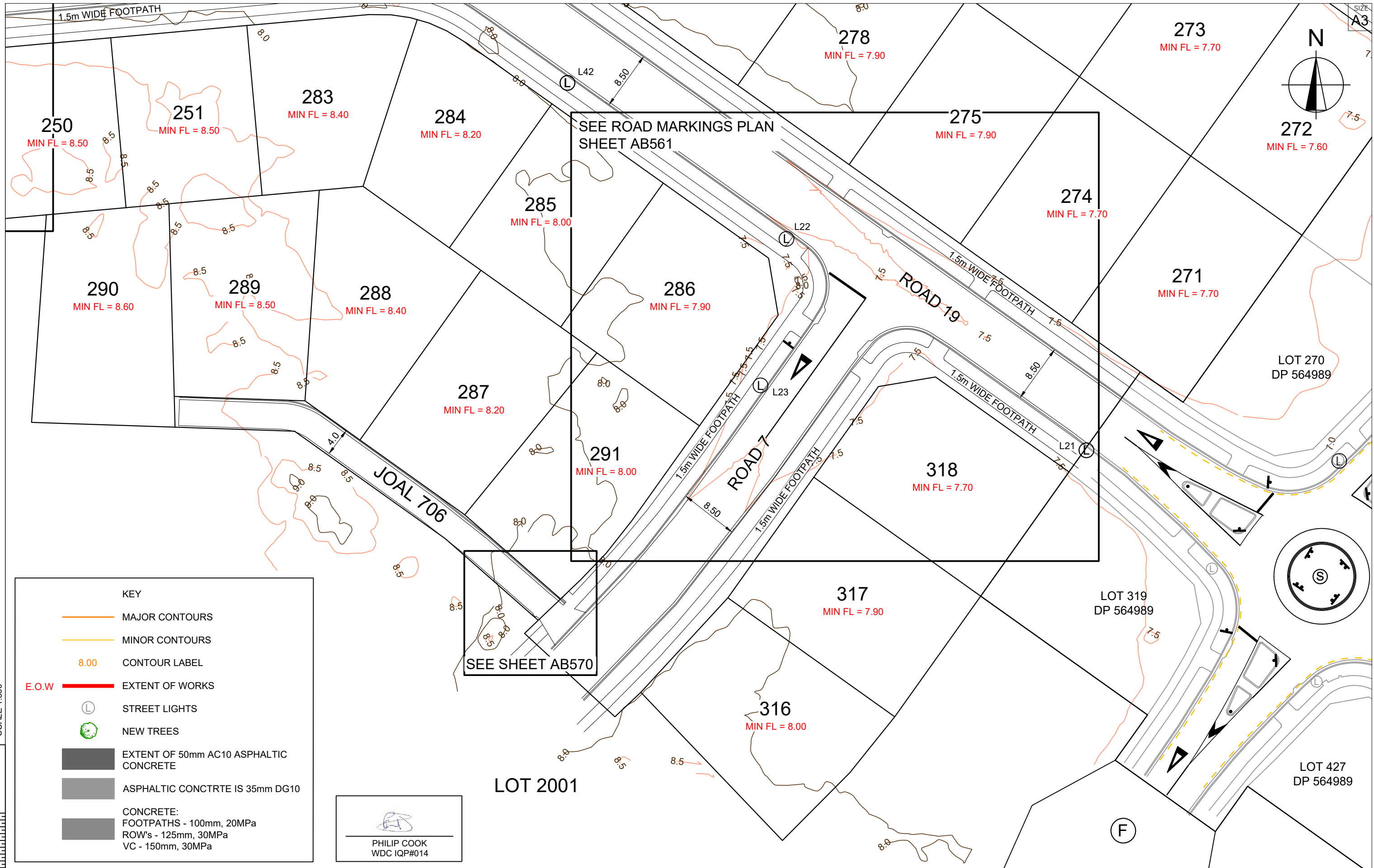


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A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS  
WFH PROPERTIES LIMITED  
THE LANDING - STAGE 5  
ONE TREE POINT  
RUAKAKA

TITLE  
ROADING LAYOUT  
SHEET 3

DATE CREATED	10/03/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-004	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB503			REVISION	A		



**KEY**

- MAJOR CONTOURS
- MINOR CONTOURS
- 8.00 CONTOUR LABEL
- E.O.W EXTENT OF WORKS
- STREET LIGHTS
- NEW TREES
- EXTENT OF 50mm AC10 ASPHALTIC CONCRETE
- ASPHALTIC CONCRTRTE IS 35mm DG10
- CONCRETE:  
FOOTPATHS - 100mm, 20MPa  
ROW's - 125mm, 30MPa  
VC - 150mm, 30MPa

PHILIP COOK  
WDC IQP#014

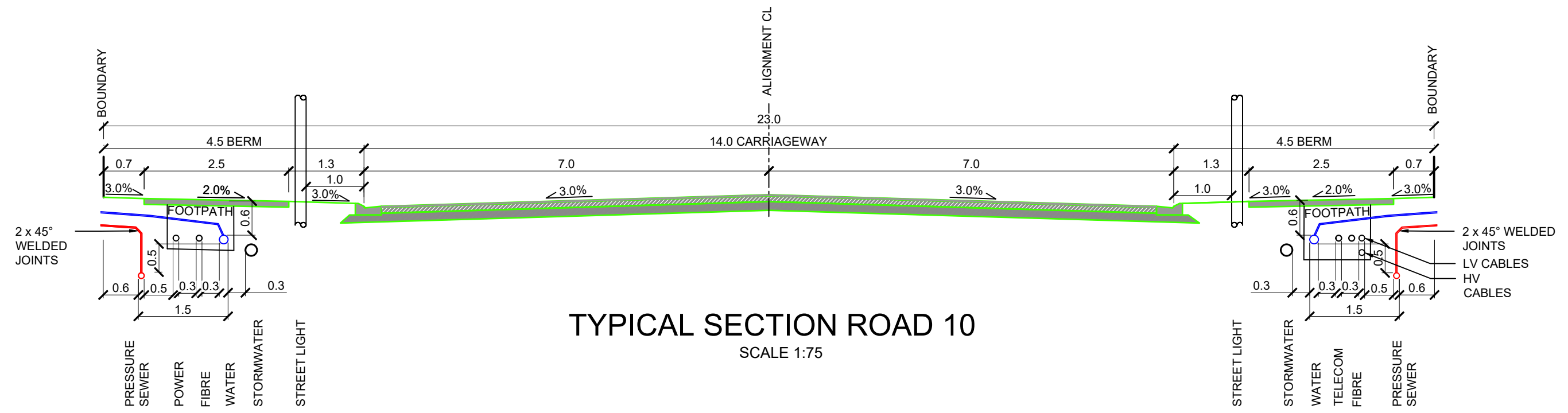
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A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

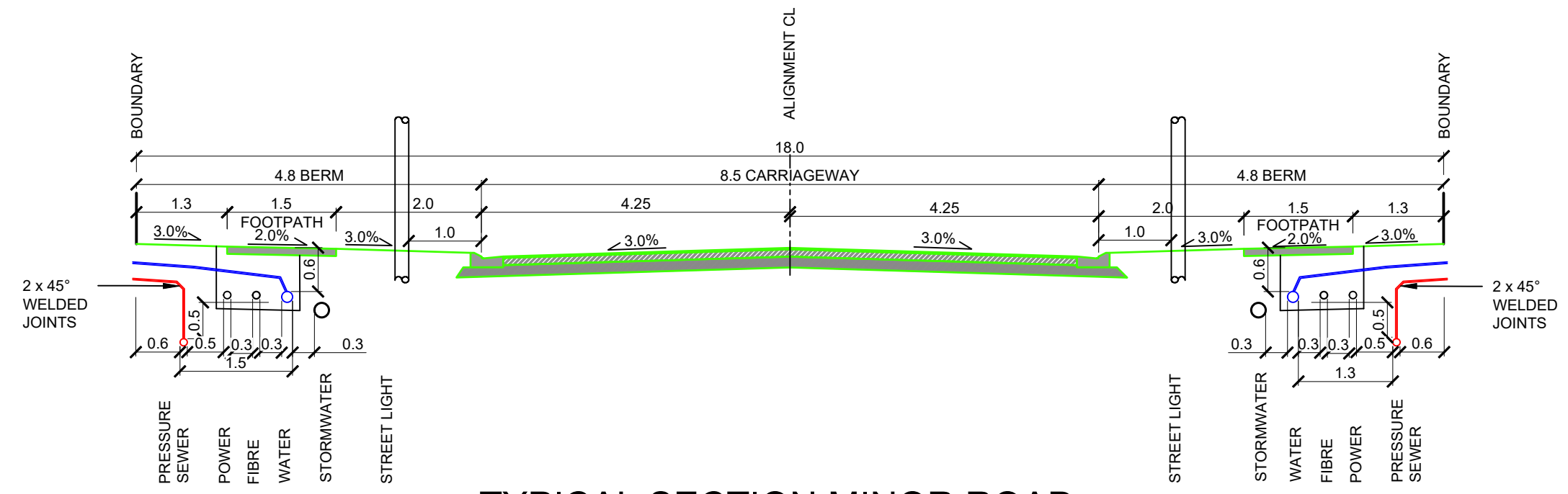
PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**ROADING LAYOUT**  
**SHEET 4**

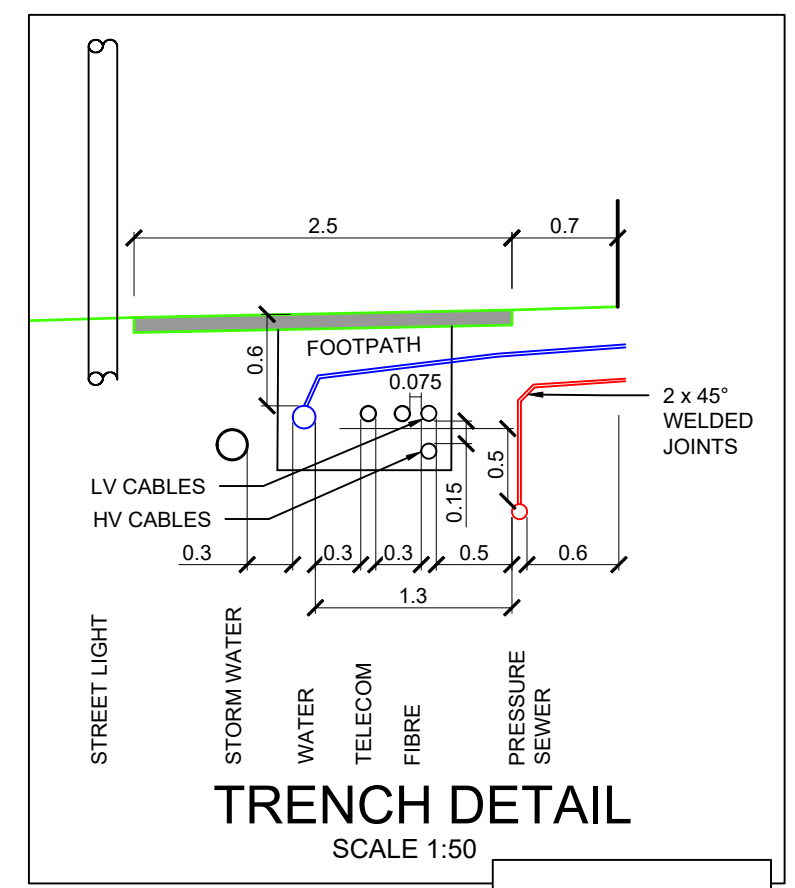
DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB504</b>		REVISION <b>A</b>	



**TYPICAL SECTION ROAD 10**  
SCALE 1:75



**TYPICAL SECTION MINOR ROAD -  
(ROAD 6,7 & 19)**  
SCALE 1:75



**TRENCH DETAIL**  
SCALE 1:50

*(Signature)*  
PHILIP COOK  
WDC IQP#014



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REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS  
**WFH PROPERTIES LIMITED  
THE LANDING - STAGE 5  
ONE TREE POINT  
RUAKAKA**

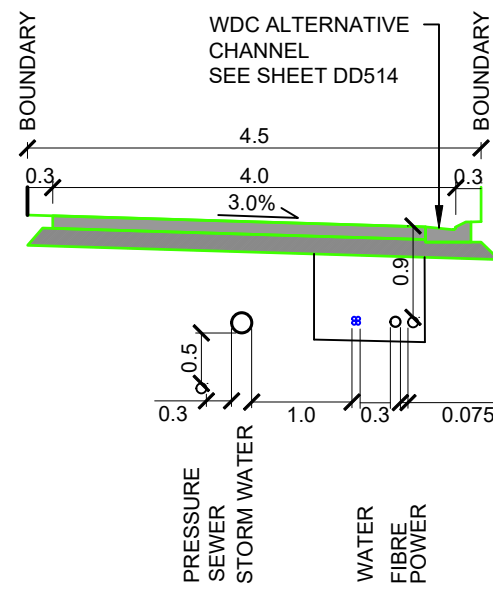
TITLE  
**ROADING TYPICAL SECTIONS  
SHEET 1**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:75 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB510</b>		REVISION <b>A</b>	

SCALE 1:75  
3  
2  
1  
0


SCALE 1:75  
0 1 2 3





**TYPICAL SECTION  
JOAL 706**  
SCALE 1:75

SCALE 1:75

  
PHILIP COOK  
WDC IQP#014



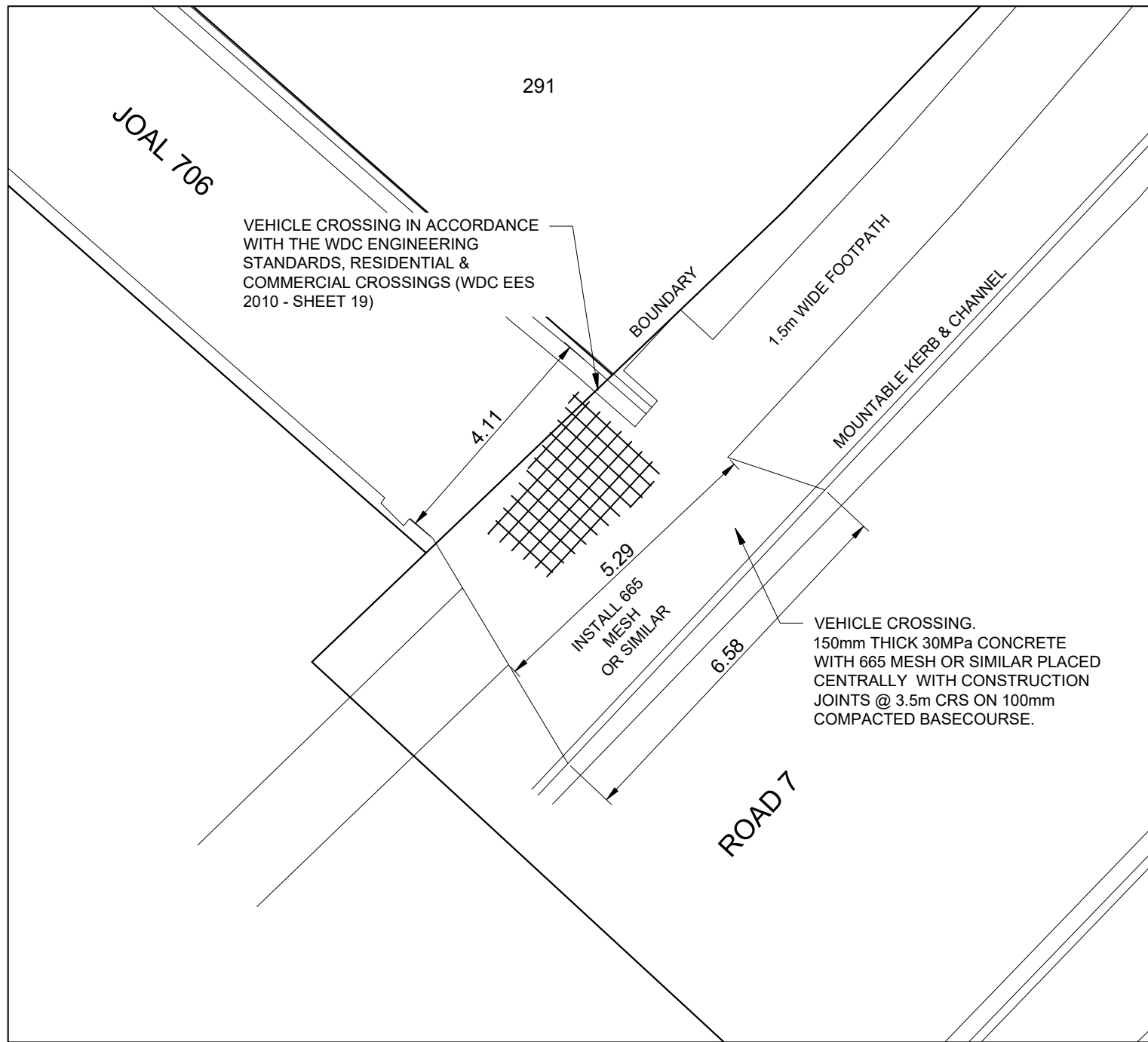
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A	1st ISSUE	10-03-22	KH   PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

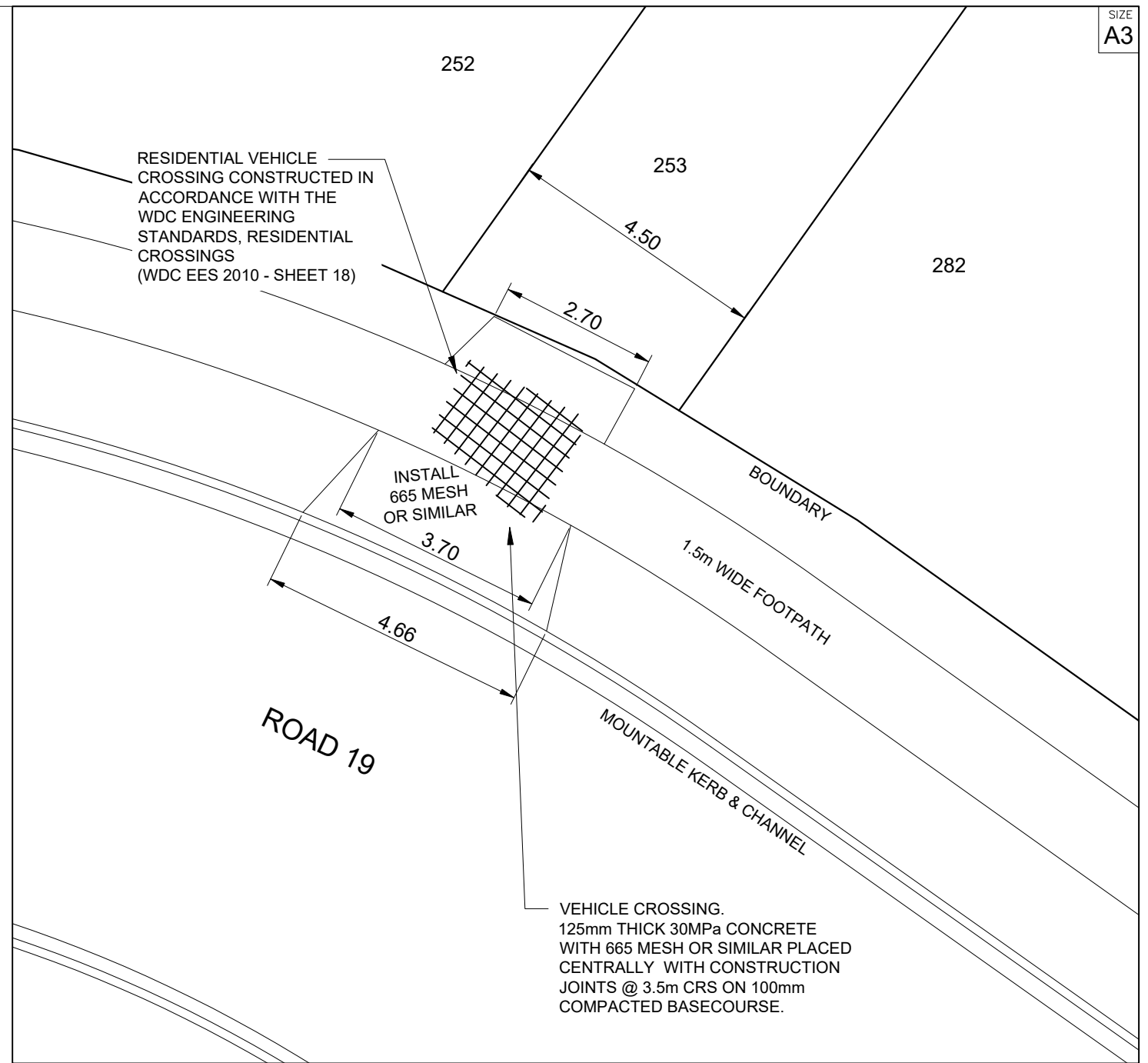
TITLE  
**ROADING TYPICAL SECTIONS**  
**SHEET 2**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:75 @ A3		STATUS AS BUILTS
DWG NUMBER AB511			REVISION A

SCALE 1:75




**JOAL 706 - VEHICLE CROSSING**  
SCALE 1:100



**LOT 253 - VEHICLE CROSSING**  
SCALE 1:100

4 SCALE 1:100  
2  
0

  
PHILIP COOK  
WDC IQP#014

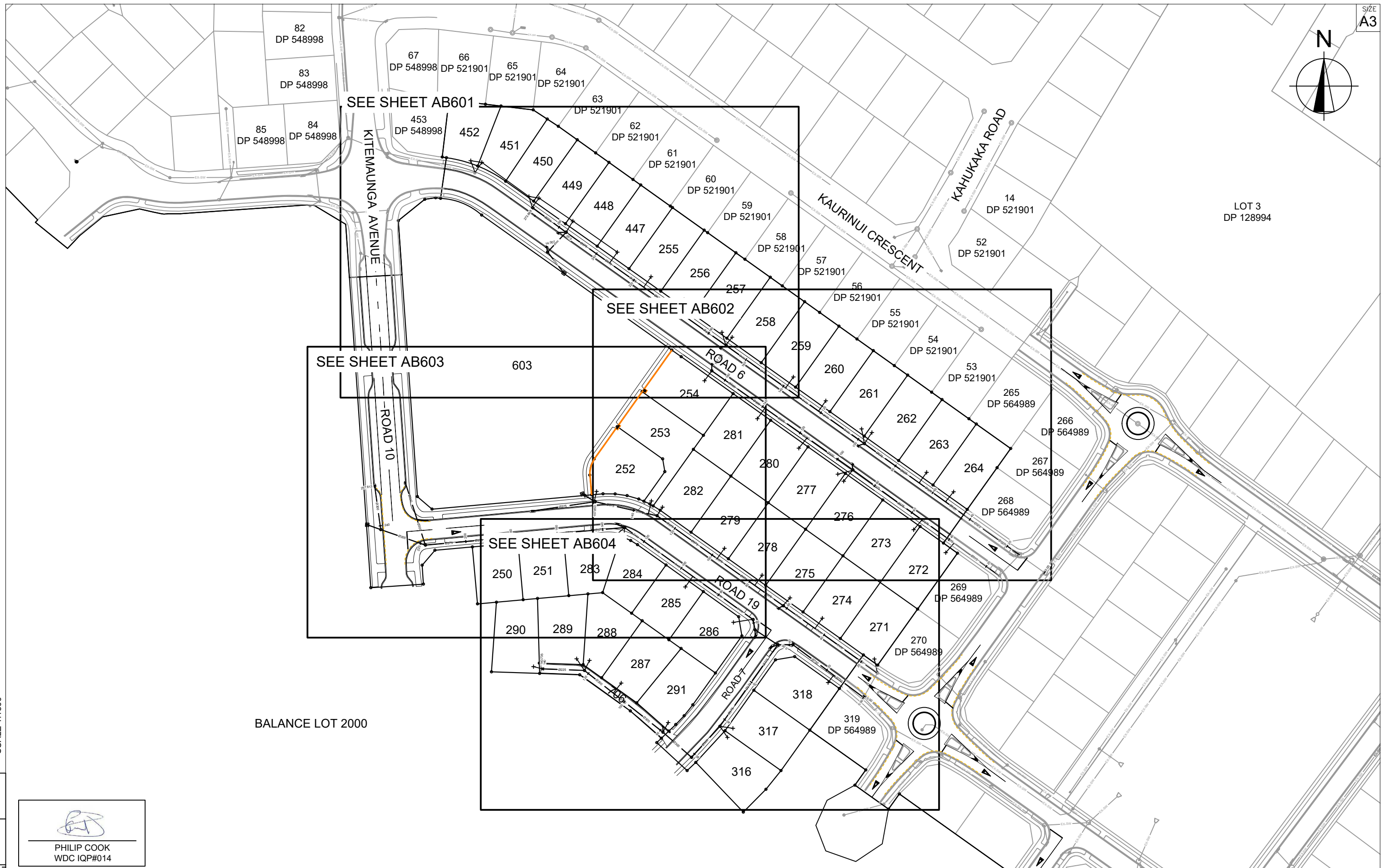
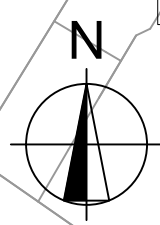


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A	1st ISSUE	10-03-22	KH   PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
THE LANDING - STAGE 5  
ONE TREE POINT  
RUAKAKA

TITLE  
**VEHICLE CROSSING**  
JOAL 706 & LOT 253

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:100 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB570</b>		REVISION <b>A</b>	



BALANCE LOT 2000

PHILIP COOK  
WDC IQP#014



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A	1st ISSUE	10-03-22	KH   PC
REV.	REVISION DETAILS	DATE	DRAWN APP.

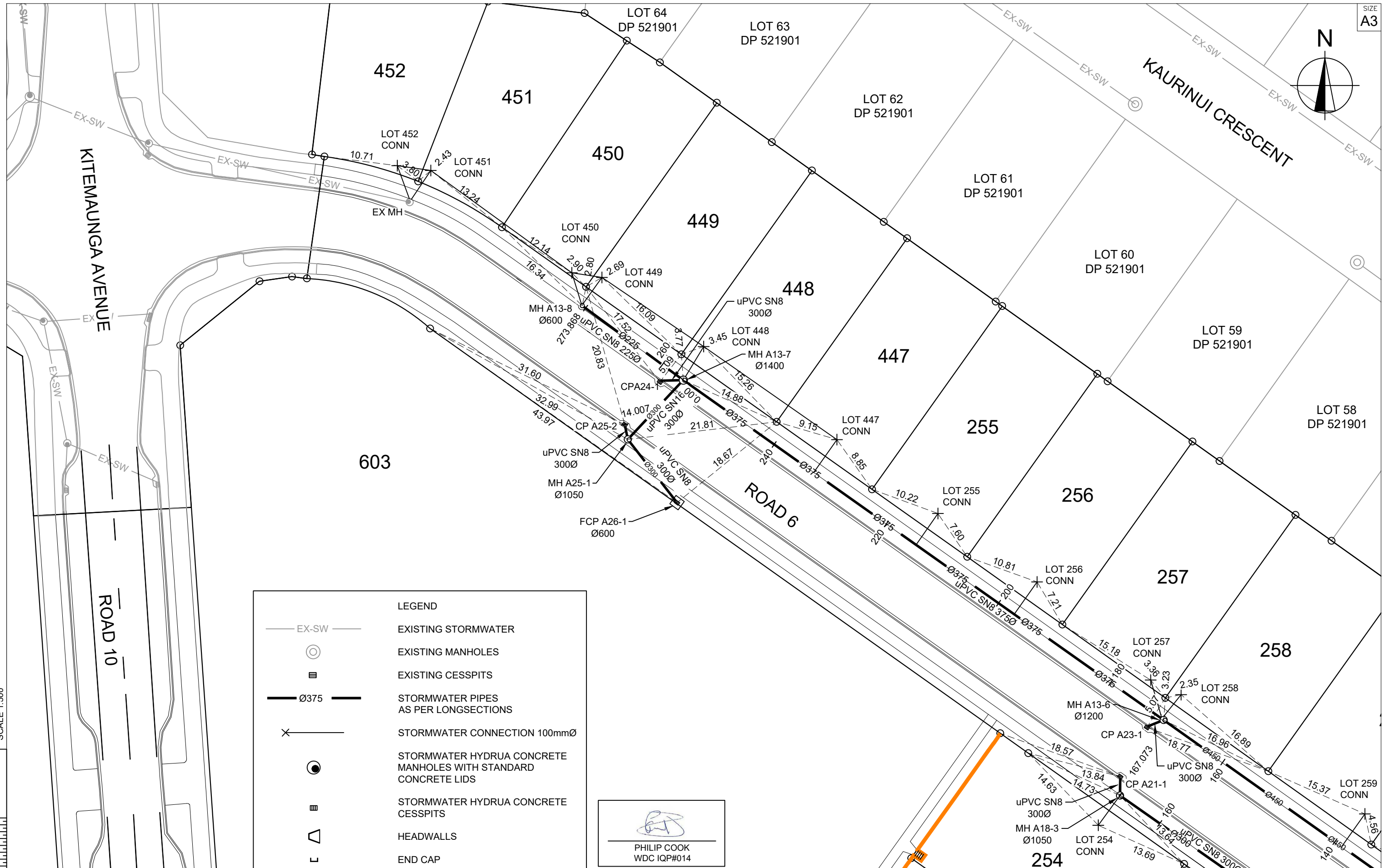
PROJECT DETAILS

**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE

**STORMWATER PLAN**  
**OVERVIEW**

DATE CREATED	10/03/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-004	SCALE	1:1500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB600		REVISION	A			



SCALE 1:500

**LEGEND**

- EX-SW — EXISTING STORMWATER
- ⊙ EXISTING MANHOLES
- ≡ EXISTING CESSPITS
- Ø375 — STORMWATER PIPES AS PER LONGSECTIONS
- ✕ STORMWATER CONNECTION 100mmØ
- STORMWATER HYDRUA CONCRETE MANHOLES WITH STANDARD CONCRETE LIDS
- ≡ STORMWATER HYDRUA CONCRETE CESSPITS
- ▽ HEADWALLS
- └ END CAP

*(Signature)*  
 PHILIP COOK  
 WDC IQP#014



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A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

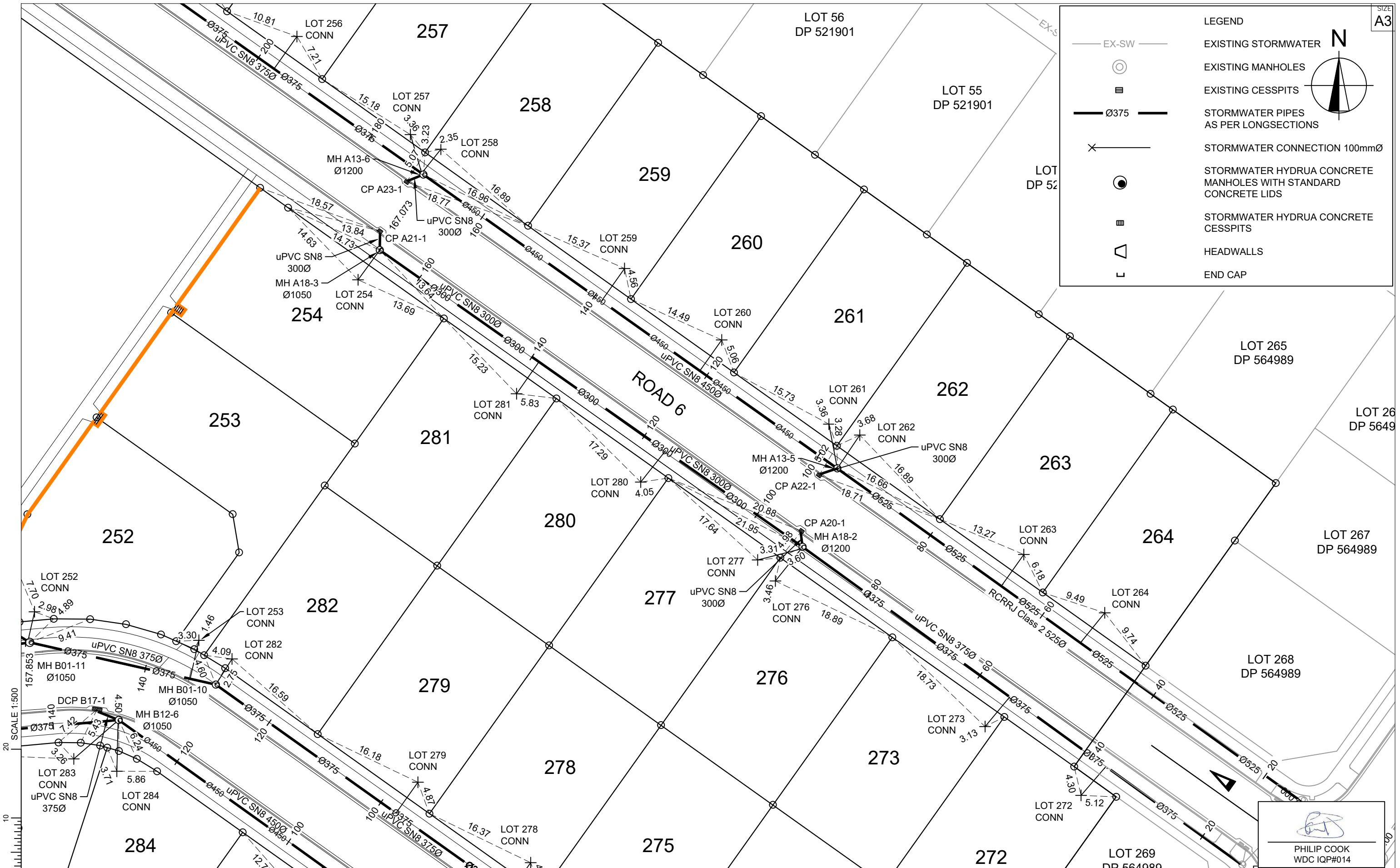
PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**STORMWATER PLAN**  
**SHEET 1**

DATE CREATED	DRAWN	DESIGNED	APPROVED
10/03/2022	K HANSARD	R BROOKES	P COOK
CCL REF NO	SCALE	STATUS	
14333-004	1:500 @ A3	AS BUILTS	
DWG NUMBER	REVISION		
AB601	A		

**LEGEND**

- EX-SW EXISTING STORMWATER
- EXISTING MANHOLES
- EXISTING CESSPITS
- STORMWATER PIPES AS PER LONGSECTIONS
- STORMWATER CONNECTION 100mmØ
- STORMWATER HYDRAUA CONCRETE MANHOLES WITH STANDARD CONCRETE LIDS
- STORMWATER HYDRAUA CONCRETE CESSPITS
- HEADWALLS
- END CAP



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C			
B			
A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS

**WFH PROPERTIES LIMITED  
THE LANDING - STAGE 5  
ONE TREE POINT  
RUAKAKA**

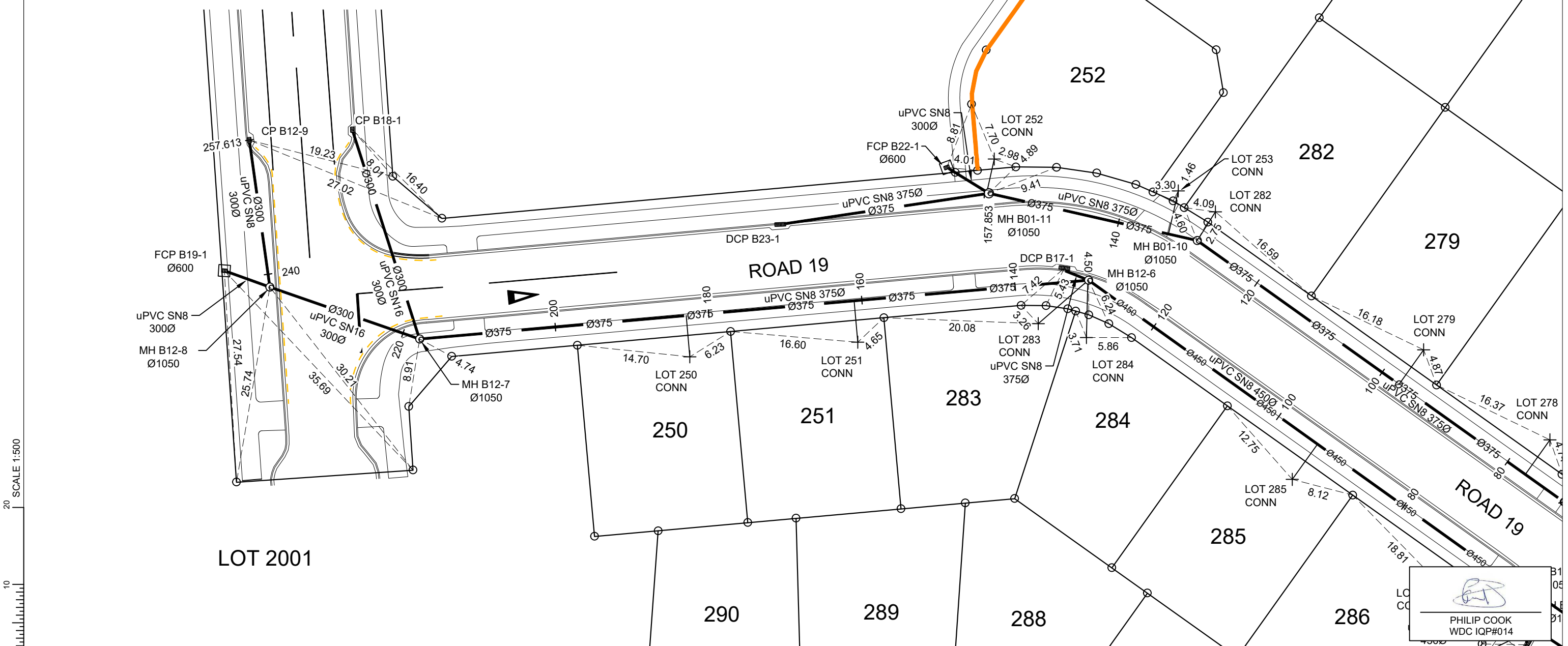
TITLE

**STORMWATER PLAN  
SHEET 2**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB602</b>	REVISION <b>A</b>		

**LEGEND**

- EX-SW — EXISTING STORMWATER
- ⊙ EXISTING MANHOLES
- ⊞ EXISTING CESSPITS
- Ø375 — STORMWATER PIPES AS PER LONGSECTIONS
- ✕ STORMWATER CONNECTION 100mmØ
- STORMWATER HYDRUA CONCRETE MANHOLES WITH STANDARD CONCRETE LIDS
- ⊞ STORMWATER HYDRUA CONCRETE CESSPITS
- △ HEADWALLS
- └ END CAP



SCALE 1:500

SCALE 1:500

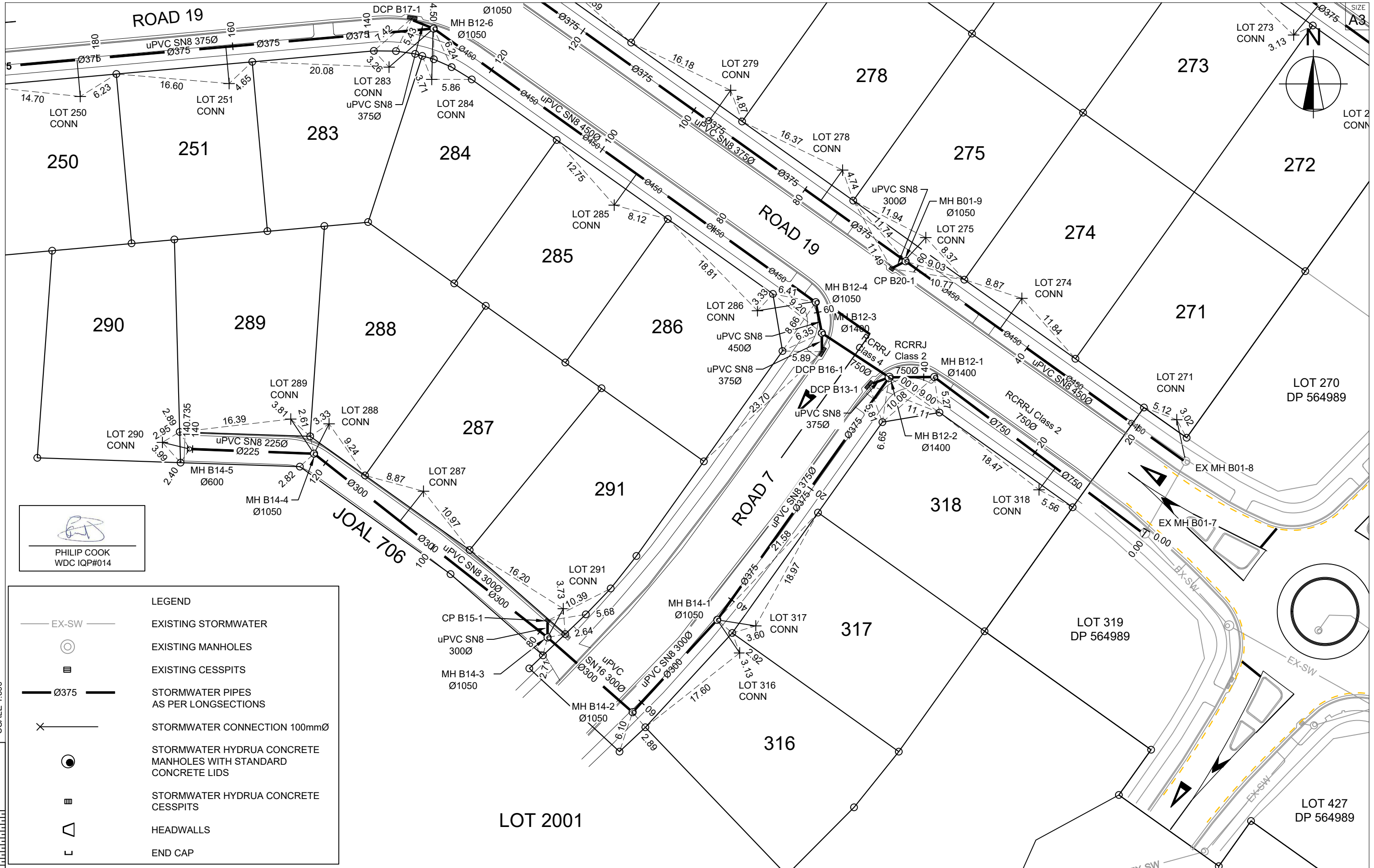



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A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	




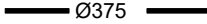





PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**STORMWATER PLAN**  
**SHEET 3**

DATE CREATED	DRAWN	DESIGNED	APPROVED
10/03/2022	K HANSARD	R BROOKES	P COOK
CCL REF NO	SCALE	STATUS	
14333-004	1:500 @ A3	AS BUILTS	
DWG NUMBER	REVISION		
AB603	A		



  
 PHILIP COOK  
 WDC IQP#014

LEGEND	
	EXISTING STORMWATER
	EXISTING MANHOLES
	EXISTING CESSPITS
	STORMWATER PIPES AS PER LONGSECTIONS
	STORMWATER CONNECTION 100mmØ
	STORMWATER HYDRUA CONCRETE MANHOLES WITH STANDARD CONCRETE LIDS
	STORMWATER HYDRUA CONCRETE CESSPITS
	HEADWALLS
	END CAP

SCALE 1:500

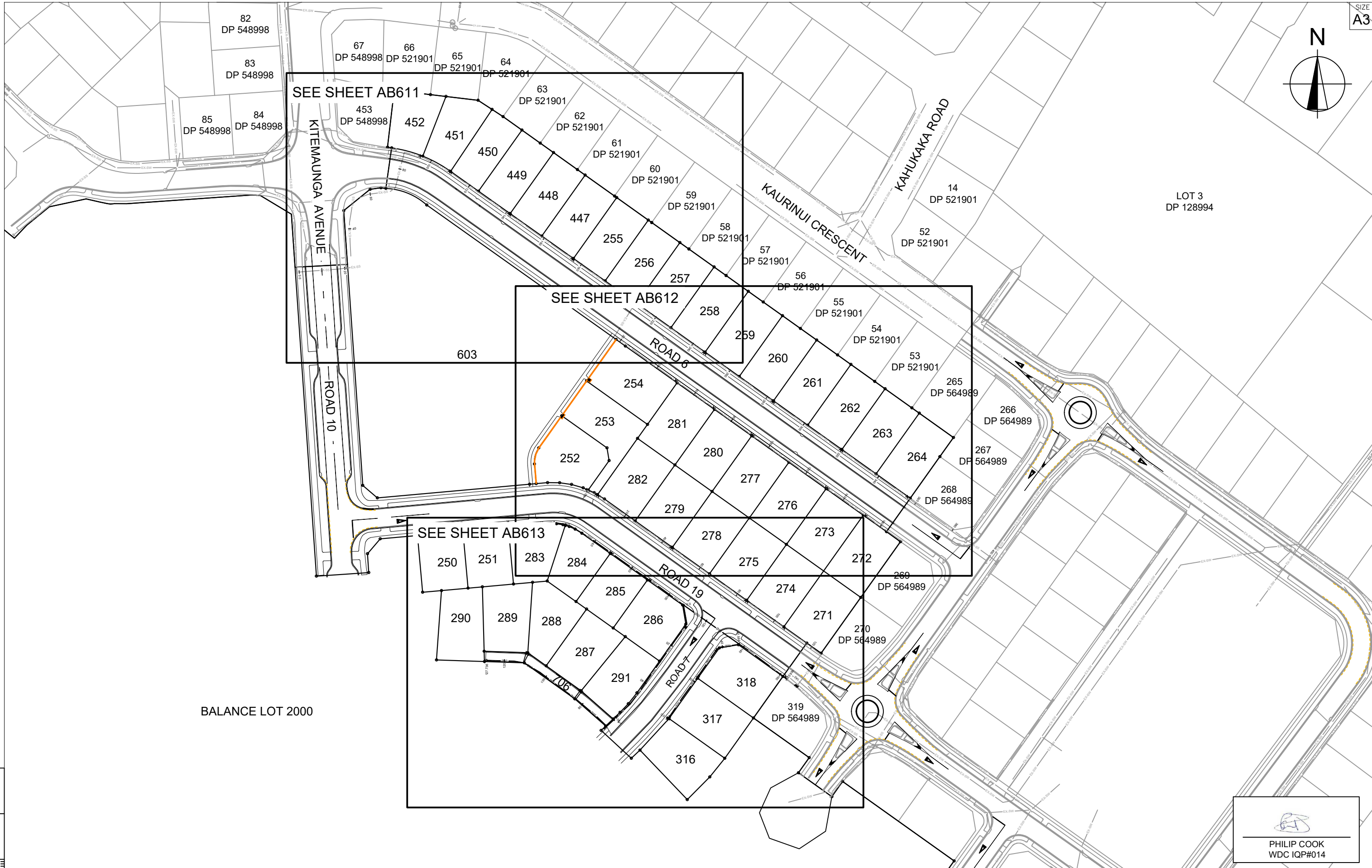
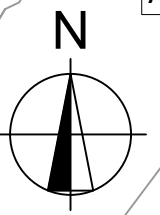


C			
B			
A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	


PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**STORMWATER PLAN**  
**SHEET 4**

DATE CREATED	10/03/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-004	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB604			REVISION	A		



BALANCE LOT 2000

  
PHILIP COOK  
WDC IQP#014



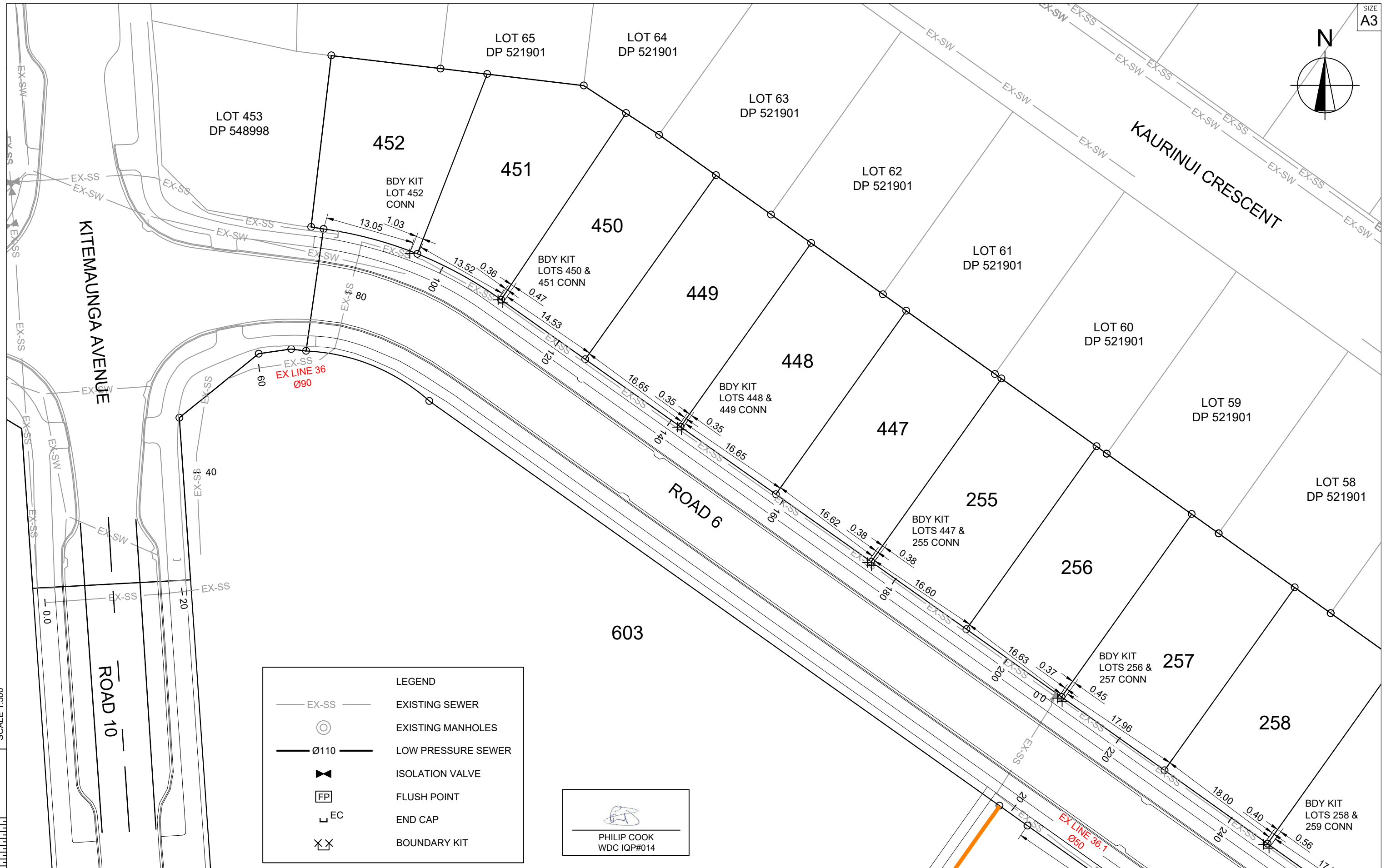
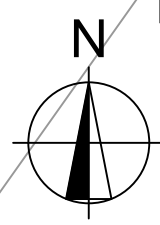
C			
B			
A	1st ISSUE	10-03-22	KH   PC
REV.	REVISION DETAILS	DRAWN	APP.

PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**SANITARY SEWER PLAN**  
**OVERVIEW**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:1500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB610</b>	REVISION <b>A</b>		





LEGEND	
— EX-SS —	EXISTING SEWER
⊙	EXISTING MANHOLES
— Ø110 —	LOW PRESSURE SEWER
⊘	ISOLATION VALVE
FP	FLUSH POINT
└ EC	END CAP
⊗	BOUNDARY KIT

PHILIP COOK  
WDC IQP#014

SCALE 1:500



C			
B			
A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

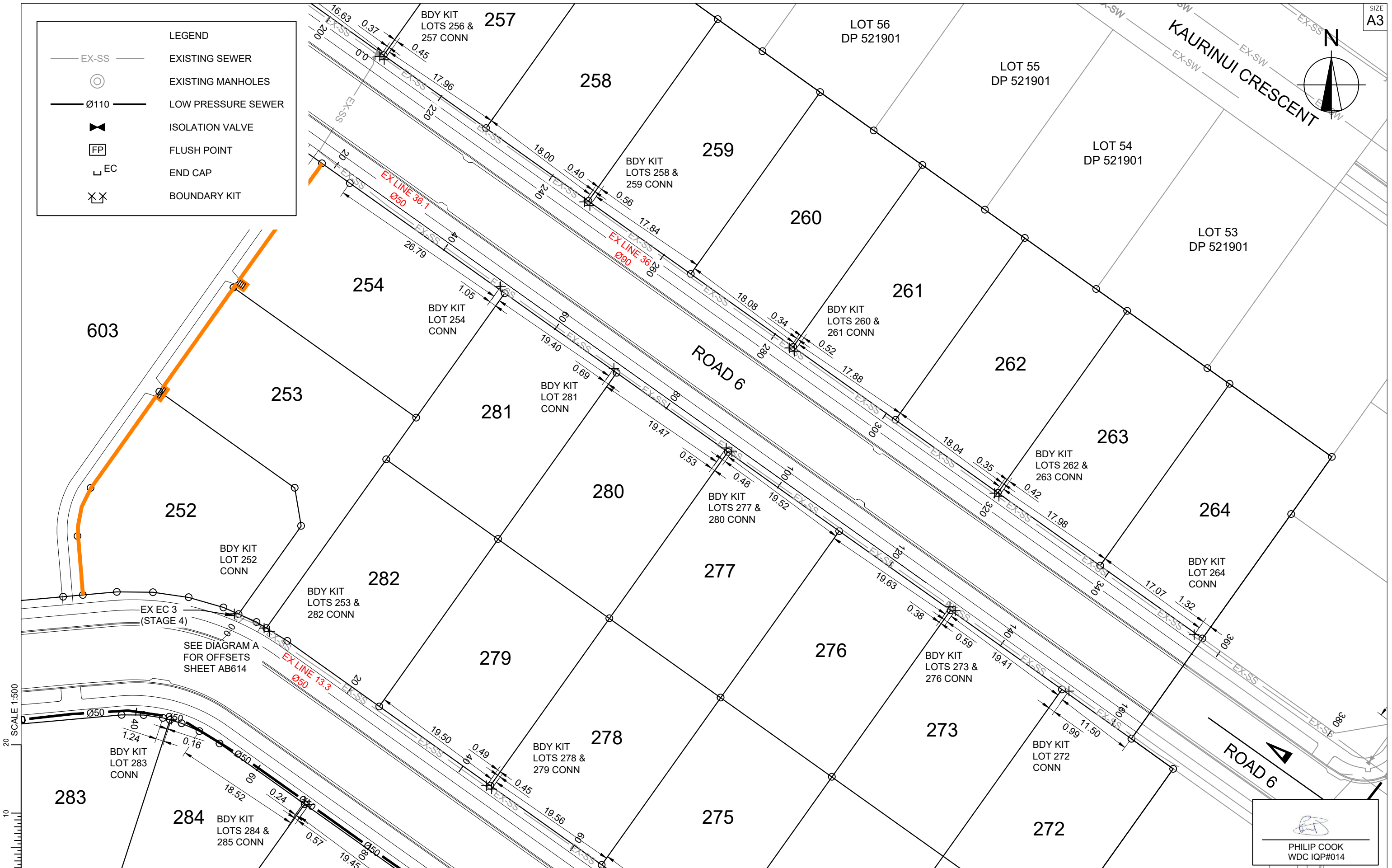
TITLE  
**SANITARY SEWER PLAN**  
**SHEET 1**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB611</b>		REVISION <b>A</b>	

SCALE 1:500

**LEGEND**

- EX-SS — EXISTING SEWER
- ⊙ EXISTING MANHOLES
- Ø110 — LOW PRESSURE SEWER
- ⊘ ISOLATION VALVE
- ⊠ FP FLUSH POINT
- └ EC END CAP
- ⊗ BOUNDARY KIT



SCALE 1:500  
0 10 20



C			
B			
A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

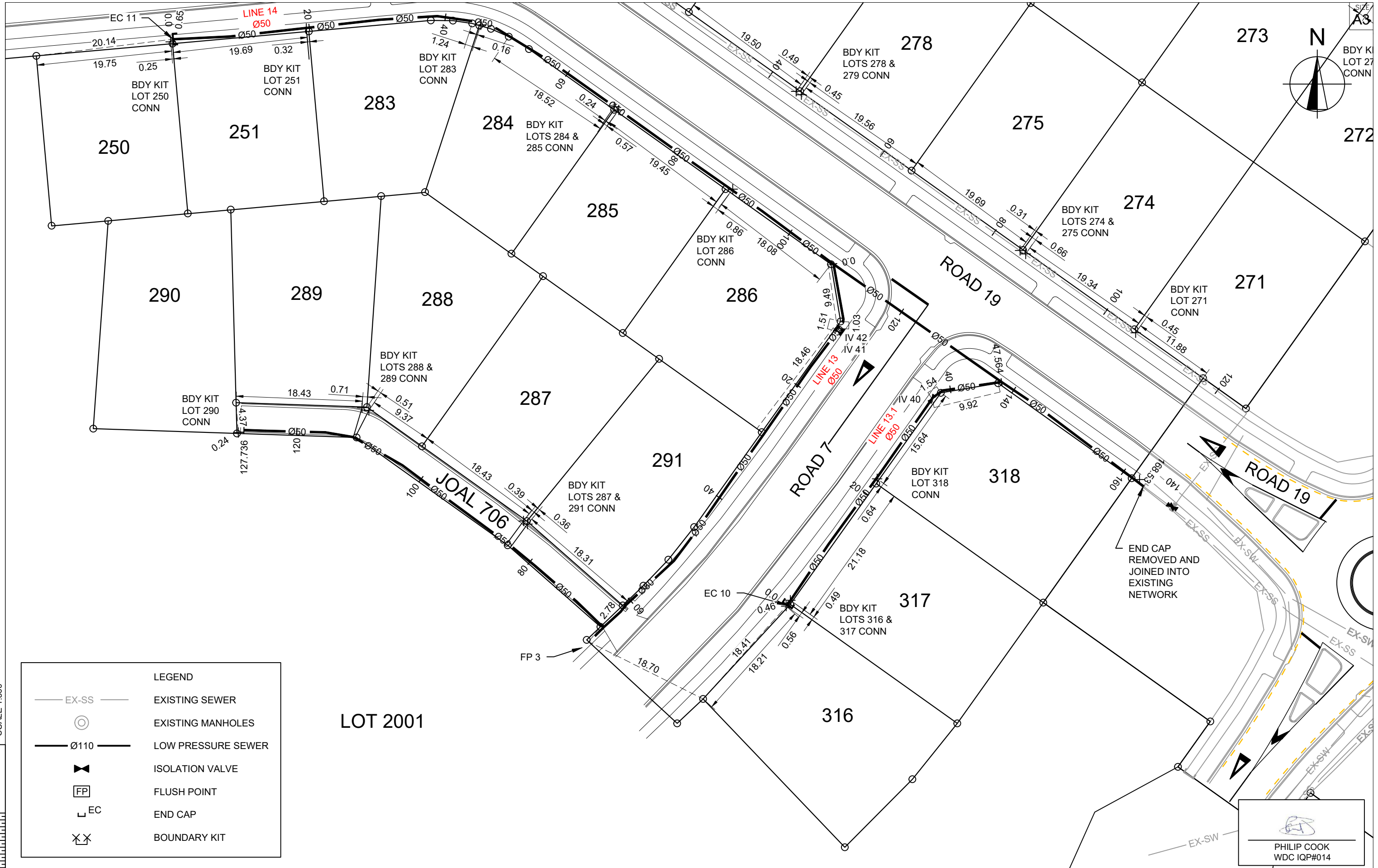
PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**SANITARY SEWER PLAN**  
**SHEET 2**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB612</b>		REVISION <b>A</b>	

PHILIP COOK  
WDC IQP#014

SCALE 1:500  
0 10 20



LEGEND	
— EX-SS —	EXISTING SEWER
⊙	EXISTING MANHOLES
— Ø110 —	LOW PRESSURE SEWER
⊘	ISOLATION VALVE
FP	FLUSH POINT
EC	END CAP
⊗	BOUNDARY KIT

PHILIP COOK  
WDC IQP#014



REV.	REVISION DETAILS	DRAWN APP.
C		
B		
A	1st ISSUE	10-03-22 KH PC

PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**SANITARY SEWER PLAN**  
**SHEET 3**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB613</b>		REVISION <b>A</b>	

SCALE 1:500

SCALE 1:500

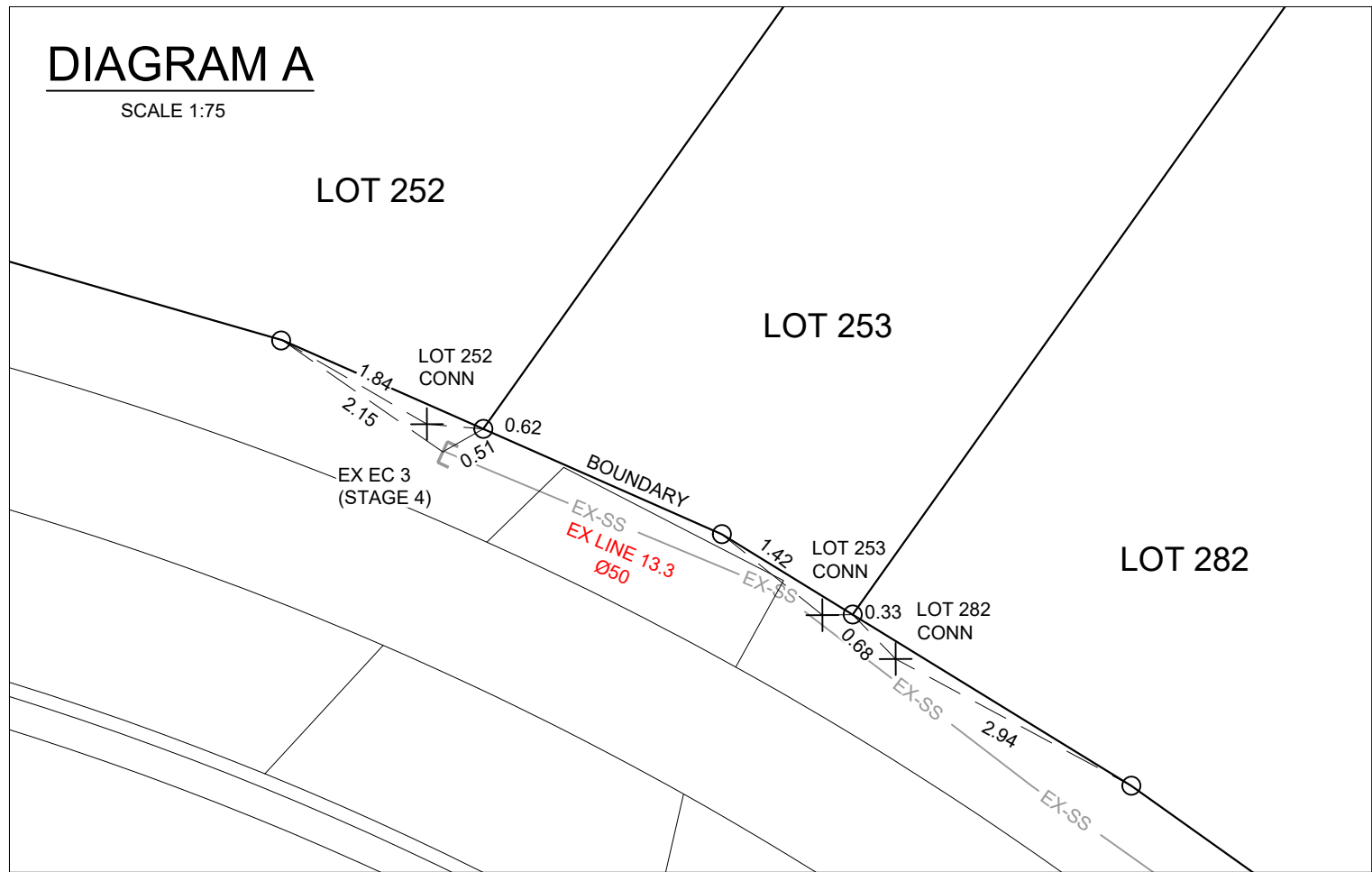
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# DIAGRAM A

SCALE 1:75

SIZE  
A3



SCALE 1:75  
3  
2  
1  
0

  
PHILIP COOK  
WDC IQP#014



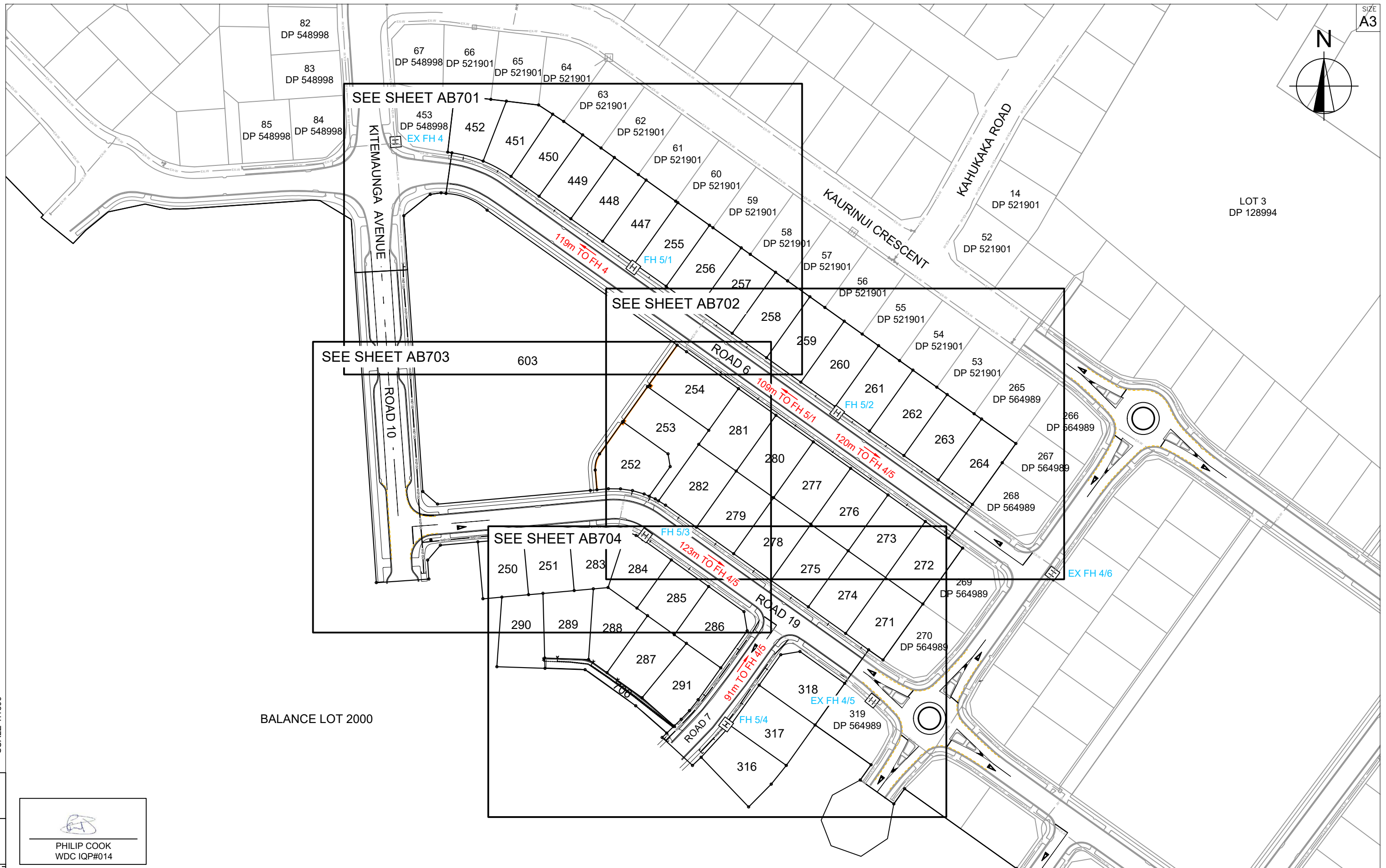
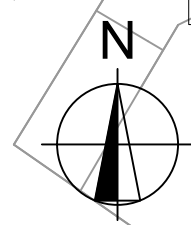
C			
B			
A	1st ISSUE	10-03-22	KH   PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**


TITLE  
**SANITARY SEWER PLAN**  
**SHEET 4**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:75 @ A3		STATUS AS BUILTS
DWG NUMBER AB614			REVISION A

SCALE 1:75  
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SCALE 1:1500  
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20  
40  
60

  
PHILIP COOK  
WDC IQP#014

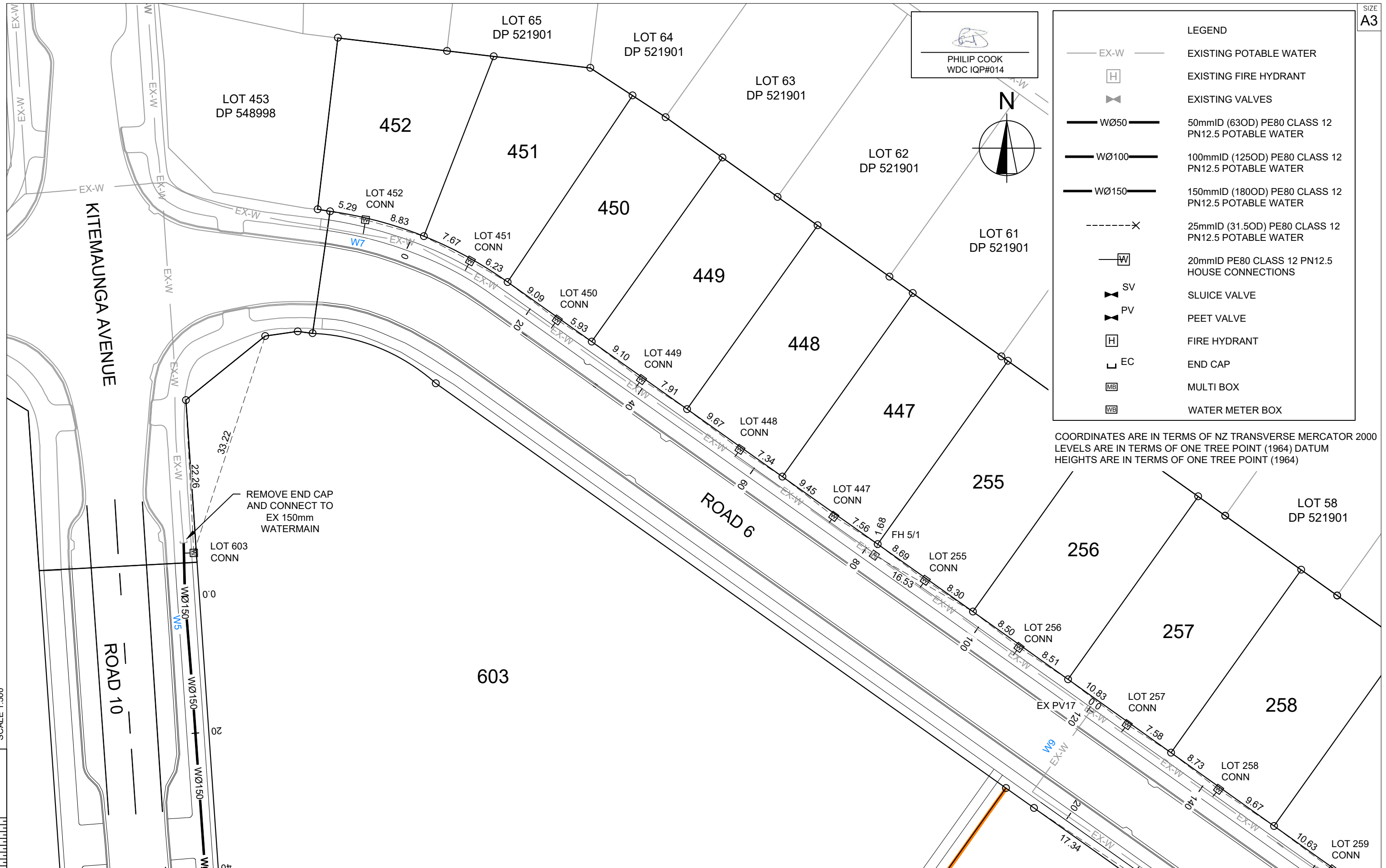


C			
B			
A	1st ISSUE	10-03-22	KH   PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**POTABLE WATER PLAN**  
**OVERVIEW**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:1500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB700</b>		REVISION <b>A</b>	



**LEGEND**

- EX-W ——— EXISTING POTABLE WATER
- [H] EXISTING FIRE HYDRANT
- [X] EXISTING VALVES
- WØ50 — 50mmID (63OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- WØ100 — 100mmID (125OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- WØ150 — 150mmID (180OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- X 25mmID (31.5OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- [W] 20mmID PE80 CLASS 12 PN12.5 HOUSE CONNECTIONS
- [SV] SLUICE VALVE
- [PV] PEET VALVE
- [H] FIRE HYDRANT
- [EC] END CAP
- [MB] MULTI BOX
- [WB] WATER METER BOX

COORDINATES ARE IN TERMS OF NZ TRANSVERSE MERCATOR 2000 LEVELS ARE IN TERMS OF ONE TREE POINT (1964) DATUM HEIGHTS ARE IN TERMS OF ONE TREE POINT (1964)

REMOVE END CAP AND CONNECT TO EX 150mm WATERMAIN

SCALE 1:500



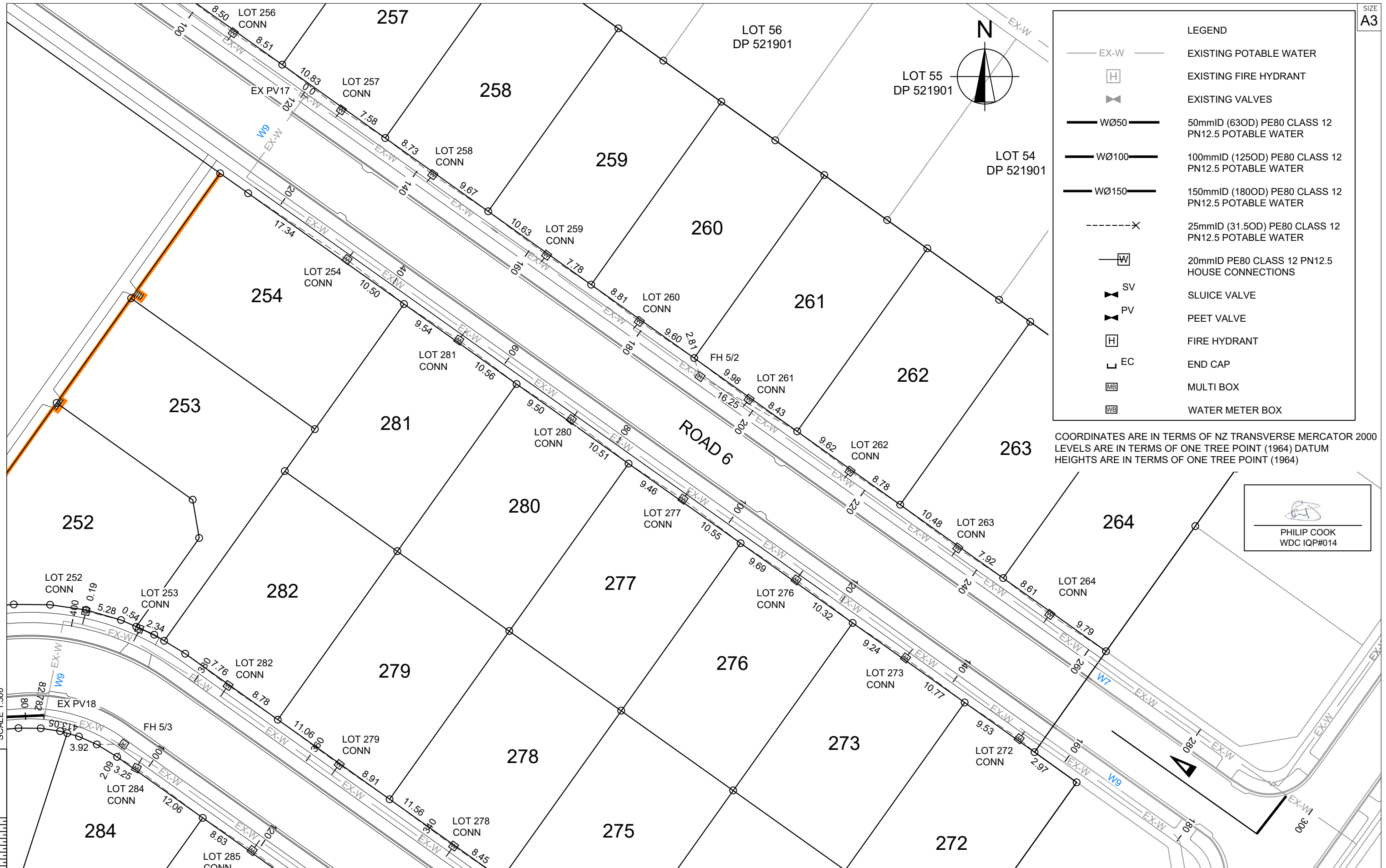
C			
B			
A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**POTABLE WATER PLAN**  
**SHEET 1**

DATE CREATED	10/03/2022	DRAWN	K HANSARD	DESIGNED	R BROOKES	APPROVED	P COOK
CCL REF NO	14333-004	SCALE	1:500 @ A3	STATUS	AS BUILTS		
DWG NUMBER	AB701			REVISION	A		

SCALE 1:500



**LEGEND**

- EX-W EXISTING POTABLE WATER
- [H] EXISTING FIRE HYDRANT
- [X] EXISTING VALVES
- WØ50 50mmID (63OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- WØ100 100mmID (125OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- WØ150 150mmID (180OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- X 25mmID (31.5OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- [W] 20mmID PE80 CLASS 12 PN12.5 HOUSE CONNECTIONS
- SV SLUICE VALVE
- PV PEET VALVE
- [H] FIRE HYDRANT
- [L] EC END CAP
- [MB] MULTI BOX
- [WB] WATER METER BOX

COORDINATES ARE IN TERMS OF NZ TRANSVERSE MERCATOR 2000  
 LEVELS ARE IN TERMS OF ONE TREE POINT (1964) DATUM  
 HEIGHTS ARE IN TERMS OF ONE TREE POINT (1964)

*[Signature]*  
 PHILIP COOK  
 WDC IQP#014

SCALE 1:500

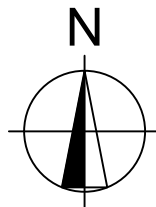


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B			
A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	

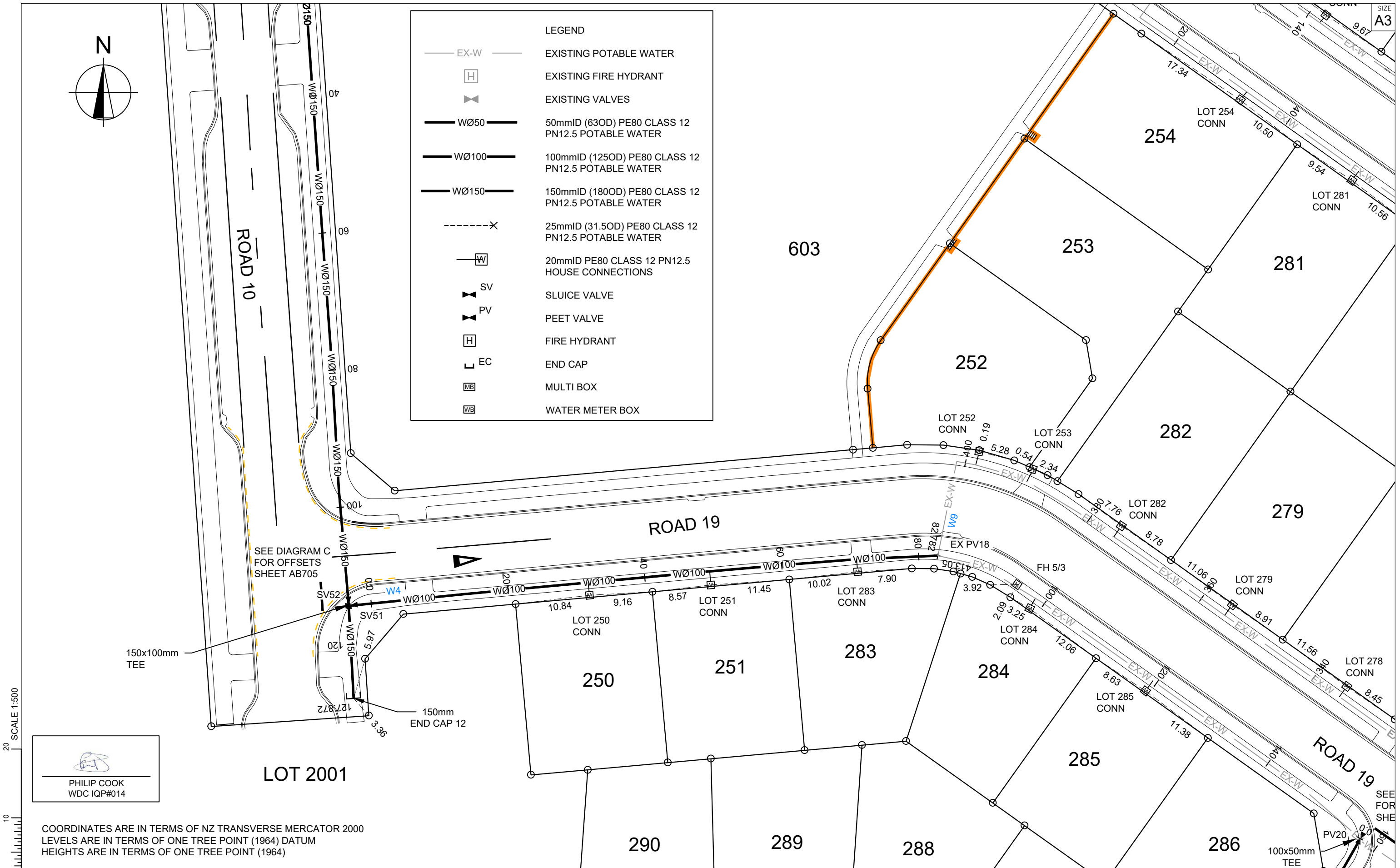
PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**POTABLE WATER PLAN**  
**SHEET 2**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB702</b>	REVISION <b>A</b>		



LEGEND	
— EX-W —	EXISTING POTABLE WATER
[H]	EXISTING FIRE HYDRANT
[X]	EXISTING VALVES
— WØ50 —	50mmID (63OD) PE80 CLASS 12 PN12.5 POTABLE WATER
— WØ100 —	100mmID (125OD) PE80 CLASS 12 PN12.5 POTABLE WATER
— WØ150 —	150mmID (180OD) PE80 CLASS 12 PN12.5 POTABLE WATER
--- X ---	25mmID (31.5OD) PE80 CLASS 12 PN12.5 POTABLE WATER
[W]	20mmID PE80 CLASS 12 PN12.5 HOUSE CONNECTIONS
[SV]	SLUICE VALVE
[PV]	PEET VALVE
[H]	FIRE HYDRANT
[EC]	END CAP
[MB]	MULTI BOX
[WB]	WATER METER BOX



SEE DIAGRAM C FOR OFFSETS SHEET AB705

150x100mm TEE

150mm END CAP 12

LOT 2001

PHILIP COOK  
WDC IQP#014

COORDINATES ARE IN TERMS OF NZ TRANSVERSE MERCATOR 2000  
LEVELS ARE IN TERMS OF ONE TREE POINT (1964) DATUM  
HEIGHTS ARE IN TERMS OF ONE TREE POINT (1964)



REV.	REVISION DETAILS	DRAWN APP.
C		
B		
A	1st ISSUE	10-03-22 KH PC

PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**POTABLE WATER PLAN**  
**SHEET 3**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB703</b>		REVISION <b>A</b>	

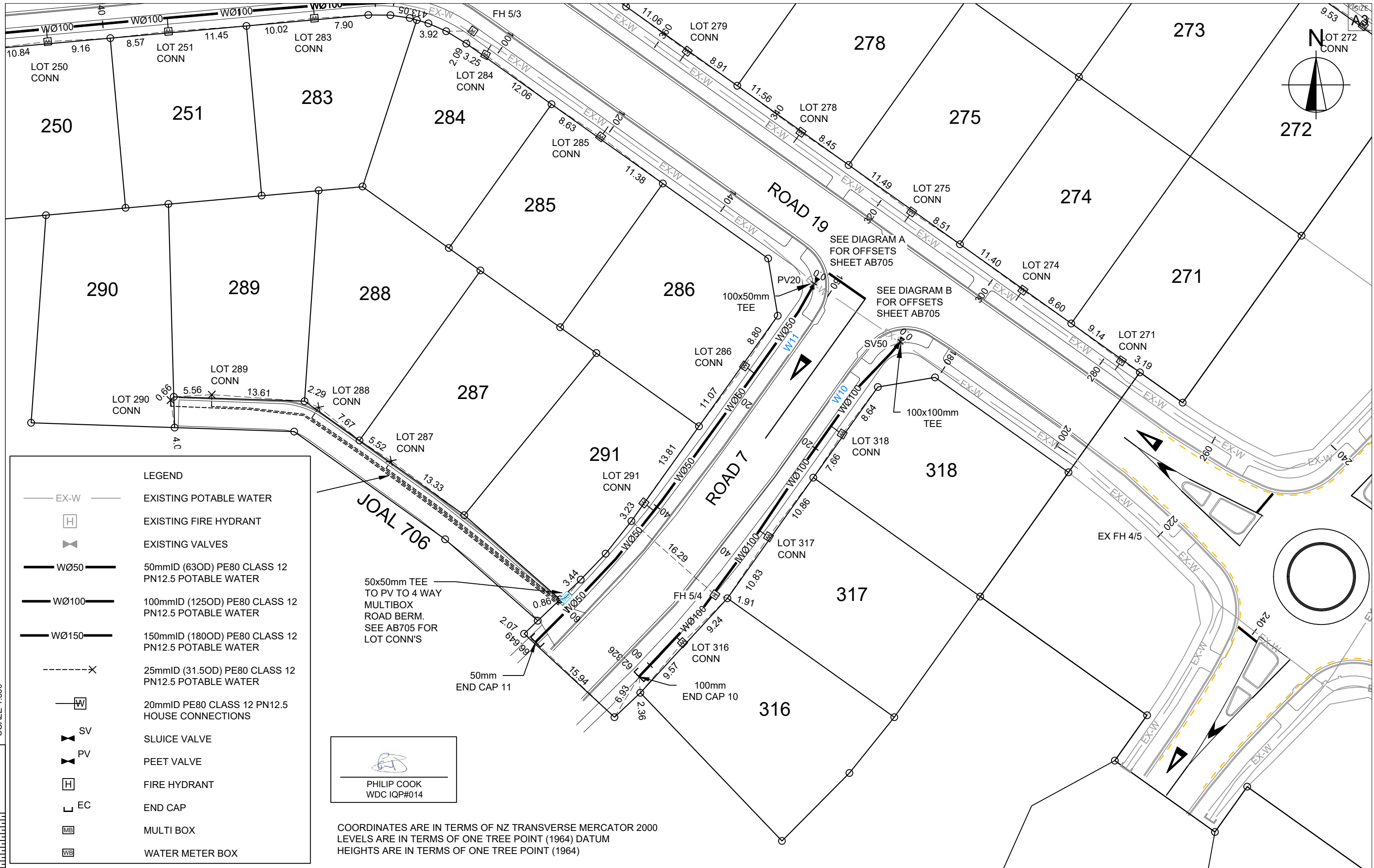
SCALE 1:500

SCALE 1:500

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**LEGEND**

- EX-W — EXISTING POTABLE WATER
- [H] EXISTING FIRE HYDRANT
- [X] EXISTING VALVES
- WØ50 — 50mmID (63OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- WØ100 — 100mmID (125OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- WØ150 — 150mmID (180OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- - - - - 25mmID (31.5OD) PE80 CLASS 12 PN12.5 POTABLE WATER
- [W] 20mmID PE80 CLASS 12 PN12.5 HOUSE CONNECTIONS
- [SV] SLUICE VALVE
- [PV] PEET VALVE
- [H] FIRE HYDRANT
- [EC] END CAP
- [MB] MULTI BOX
- [WB] WATER METER BOX

50x50mm TEE TO PV TO 4 WAY MULTIBOX ROAD BERM. SEE AB705 FOR LOT CONN'S

PHILIP COOK  
WDC IQP#014

COORDINATES ARE IN TERMS OF NZ TRANSVERSE MERCATOR 2000  
LEVELS ARE IN TERMS OF ONE TREE POINT (1964) DATUM  
HEIGHTS ARE IN TERMS OF ONE TREE POINT (1964)

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C			
B			
A	1st ISSUE	10-03-22	KH PC
REV.	REVISION DETAILS	DRAWN APP.	


PROJECT DETAILS  
**WFH PROPERTIES LIMITED  
THE LANDING - STAGE 5  
ONE TREE POINT  
RUAKAKA**


TITLE  
**POTABLE WATER PLAN  
SHEET 4**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE 1:500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB704</b>		REVISION <b>A</b>	

UNIT TYPE	DESCRIPTION	INSTALL DATE	EXP LIFE	mE	mN	LID LEVEL	INVERT LEVEL IN	INVERT LEVEL IN	INVERT LEVEL IN	INVERT LEVEL IN	INVERT LEVEL OUT	QUANTITY	PUBLIC / PRIVATE	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE
Manhole	A13-5	22/06/2021	50 YRS	1731889.07	6033772.51	7.63	NA	NA	6.812	6.5	6.4	1	Public	Concrete	1200mmID	SW Manhole	Hynds	Concrete
Manhole	A13-6	22/06/2021	50 YRS	1731828.82	6033815.27	8.239	NA	NA	7.14	7.24	7.11	1	Public	Concrete	1200mmID	SW Manhole	Hynds	Concrete
Manhole	A13-7	22/06/2021	50 YRS	1731758.93	6033864.72	8.943	NA	7.75	8.015	7.882	7.69	1	Public	Concrete	1400mmID	SW Manhole	Hynds	Grass
Manhole	A13-8	22/06/2021	50 YRS	1731744.22	6033875.55	9.1	NA	NA	NA	NA	8.3	1	Public	Concrete	600mmID	SW Manhole	Hynds	Grass
Manhole	A18-2	22/06/2021	50 YRS	1731884.02	6033761.09	7.613	NA	NA	6.51	6.539	6.464	1	Public	Concrete	1200mmID	SW Manhole	Hynds	Concrete
Manhole	A18-3	22/06/2021	50 YRS	1731822.47	6033804.27	8.27	NA	NA	NA	7.14	7.086	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	A25-1	22/06/2021	50 YRS	1731750.85	6033856.10	8.921	NA	NA	7.88	7.853	7.82	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	B01-9	22/06/2021	50 YRS	1731853.68	6033701.77	7.468	NA	NA	6.440	6.28	6.200	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	B01-10	22/06/2021	50 YRS	1731798.60	6033741.05	8.088	NA	NA	NA	6.56	6.510	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	B01-11	22/06/2021	50 YRS	1731771.52	6033747.19	8.173	NA	NA	6.751	6.9	6.700	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Grass
Manhole	B12-1	22/06/2021	50 YRS	1731857.88	6033684.79	7.441	NA	NA	NA	5.5	5.490	1	Public	Concrete	1400mmID	SW Manhole	Hynds	Grass
Manhole	B12-2	22/06/2021	50 YRS	1731851.28	6033684.75	7.309	NA	5.875	6.100	5.56	5.520	1	Public	Concrete	1400mmID	SW Manhole	Hynds	Grass
Manhole	B12-3	22/06/2021	50 YRS	1731841.40	6033691.24	7.320	NA	NA	5.950	5.9	5.600	1	Public	Concrete	1400mmID	SW Manhole	Hynds	Grass
Manhole	B12-4	22/06/2021	50 YRS	1731840.50	6033695.76	7.474	NA	NA	NA	6.06	6.020	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	B12-6	22/06/2021	50 YRS	1731784.47	6033735.89	7.627	NA	NA	6.760	6.3	6.240	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	B12-7	22/06/2021	50 YRS	1731697.54	6033728.25	8.298	NA	NA	6.740	6.74	6.690	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	B12-8	22/06/2021	50 YRS	1731678.06	6033735.00	8.476	NA	NA	7.120	7.547	6.940	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	B14-1	22/06/2021	50 YRS	1731826.06	6033649.18	7.707	NA	NA	NA	6.425	6.355	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Grass
Manhole	B14-2	22/06/2021	50 YRS	1731813.65	6033635.63	7.828	NA	NA	NA	6.596	6.545	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	B14-3	22/06/2021	50 YRS	1731801.17	6033646.60	7.920	NA	NA	6.750	6.83	6.610	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Concrete
Manhole	B14-4	22/06/2021	50 YRS	1731766.93	6033673.55	8.400	NA	NA	NA	7.49	7.405	1	Public	Concrete	1050mmID	SW Manhole	Hynds	Grass
Manhole	B14-5	22/06/2021	50 YRS	1731748.68	6033674.24	8.516	NA	NA	NA	NA	7.745	1	Public	Concrete	600mmID	SW Manhole	Hynds	Concrete
Catch Pit	A20-1	22/06/2021	50 YRS	1731883.88	6033763.40	7.524	NA	NA	NA	NA	6.550	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	A21-1	22/06/2021	50 YRS	1731822.51	6033807.03	8.083	NA	NA	NA	NA	7.420	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	A22-1	22/06/2021	50 YRS	1731886.41	6033771.50	7.500	NA	NA	NA	NA	6.900	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	A23-1	22/06/2021	50 YRS	1731826.39	6033814.18	8.183	NA	NA	NA	NA	7.193	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	A24-1	22/06/2021	50 YRS	1731755.51	6033864.46	8.867	NA	NA	NA	NA	8.025	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	A25-2	22/06/2021	50 YRS	1731750.41	6033858.25	8.812	NA	NA	NA	NA	8.120	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	FCP A26-1	22/06/2021	50 YRS	1731758.01	6033846.89	8.720	NA	NA	NA	NA	7.990	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	B12-9	22/06/2021	50 YRS	1731675.40	6033754.10	8.505	NA	NA	NA	NA	7.500	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	DCP-B13-1	22/06/2021	50 YRS	1731848.30	6033683.63	7.220	NA	NA	NA	NA	6.230	1	Public	Concrete	675x450x1200	Double	Hynds	Concrete
Catch Pit	B15-1	22/06/2021	50 YRS	1731801.18	6033649.05	7.811	NA	NA	NA	NA	6.810	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	DCP-B16-1	22/06/2021	50 YRS	1731841.50	6033688.50	7.168	NA	NA	NA	NA	6.030	1	Public	Concrete	675x450x1200	Double	Hynds	Concrete
Catch Pit	DCP-B17-1	22/06/2021	50 YRS	1731781.33	6033737.46	7.750	NA	NA	NA	NA	6.867	1	Public	Concrete	675x450x1200	Double	Hynds	Concrete
Catch Pit	B18-1	22/06/2021	50 YRS	1731688.79	6033755.47	8.646	NA	NA	NA	NA	7.400	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	FCP B19-1	22/06/2021	50 YRS	1731672.15	6033737.12	6.820	NA	NA	NA	NA	5.850	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete
Catch Pit	FCP B22-1	22/06/2021	50 YRS	1731766.04	6033750.56	7.500	NA	NA	NA	NA	6.900	1	Public	Concrete	675x450x1200	Single	Hynds	Concrete

# STORMWATER

  
PHILIP COOK  
WDC IQP#014

 <p>Whangarei   Auckland   Wellington   Christchurch</p>	C		PROJECT DETAILS <b>WFH PROPERTIES LIMITED</b> THE LANDING - STAGE 5 ONE TREE POINT RUAKAKA	TITLE <b>STORMWATER ASSET REGISTER</b> SHEET 1	DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK	
	B				CCL REF NO 14333-004	SCALE NTS @ A3	STATUS <b>AS BUILTS</b>		
	A	1st ISSUE			10-03-22	DWG NUMBER <b>AB800</b>	REVISION <b>A</b>		
	REV.	REVISION DETAILS			DRAWN APP.				

DESCRIPTION	INSTALL DATE	EXP LIFE	mE	mN	INVERT LEVEL	LENGTH / QUANTITY	PUBLIC / PUBLIC	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE
Lot 250	22/06/2021	50 YRS	1731732.65	6033725.93	7.244	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 251	22/06/2021	50 YRS	1731754.47	6033727.83	7.329	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 252	22/06/2021	50 YRS	1731772.24	6033751.64	7.400	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 253	22/06/2021	50 YRS	1731796.14	6033747.50	7.140	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 254	22/06/2021	50 YRS	1731819.33	6033799.94	7.725	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 255	22/06/2021	50 YRS	1731795.98	6033845.32	7.814	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 256	22/06/2021	50 YRS	1731810.41	6033835.36	7.757	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 257	22/06/2021	50 YRS	1731826.94	6033821.08	7.537	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 258	22/06/2021	50 YRS	1731831.36	6033818.96	7.404	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 259	22/06/2021	50 YRS	1731858.11	6033801.60	7.275	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 260	22/06/2021	50 YRS	1731872.25	6033791.20	6.983	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 261	22/06/2021	50 YRS	1731887.85	6033778.94	6.800	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 262	22/06/2021	50 YRS	1731892.35	6033777.35	7.023	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 263	22/06/2021	50 YRS	1731916.23	6033759.98	6.646	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 264	22/06/2021	50 YRS	1731928.00	6033751.50	6.691	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 271	22/06/2021	50 YRS	1731893.43	6033678.53	6.700	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 272	22/06/2021	50 YRS	1731924.56	6033724.93	6.270	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 273	22/06/2021	50 YRS	1731910.58	6033734.94	6.598	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 274	22/06/2021	50 YRS	1731870.73	6033696.33	6.462	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 275	22/06/2021	50 YRS	1731856.64	6033705.24	6.795	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 276	22/06/2021	50 YRS	1731880.07	6033756.13	6.755	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 277	22/06/2021	50 YRS	1731877.48	6033759.18	6.954	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 278	22/06/2021	50 YRS	1731844.44	6033715.13	6.721	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 279	22/06/2021	50 YRS	1731828.03	6033726.84	6.720	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 280	22/06/2021	50 YRS	1731860.46	6033770.52	7.164	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 281	22/06/2021	50 YRS	1731842.39	6033783.37	7.412	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 282	22/06/2021	50 YRS	1731800.97	6033744.78	7.218	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 283	22/06/2021	50 YRS	1731777.93	6033730.24	7.150	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 284	22/06/2021	50 YRS	1731784.19	6033728.44	7.270	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 285	22/06/2021	50 YRS	1731810.95	6033710.00	7.296	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 286	22/06/2021	50 YRS	1731831.96	6033694.51	6.566	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 287	22/06/2021	50 YRS	1731782.98	6033668.04	7.500	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 288	22/06/2021	50 YRS	1731769.14	6033677.93	7.543	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 289	22/06/2021	50 YRS	1731763.51	6033678.62	7.747	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 290	22/06/2021	50 YRS	1731744.70	6033675.21	7.848	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 291	22/06/2021	50 YRS	1731803.47	6033650.81	7.139	1	Private	PVC	100mmID	SW Connection	Hynds	Grass

## STORMWATER

  
 PHILIP COOK  
 WDC IQP#014



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C			
B			
A	1st ISSUE	10-03-22	KH   PC
REV.	REVISION DETAILS	DRAWN APP.	


PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**


TITLE  
**STORMWATER ASSET REGISTER**  
**SHEET 2**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE NTS @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB801</b>	REVISION <b>A</b>		

DESCRIPTION	INSTALL DATE	EXP LIFE	mE	mN	INVERT LEVEL	LENGTH / QUANTITY	PUBLIC / PUBLIC	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE
Lot 316	22/06/2021	50 YRS	1731829.34	6033644.32	6.731	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 317	22/06/2021	50 YRS	1731831.71	6033648.29	6.729	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 318	22/06/2021	50 YRS	1731873.24	6033668.25	6.750	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 447	22/06/2021	50 YRS	1731781.29	6033856.06	8.024	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 448	22/06/2021	50 YRS	1731761.89	6033869.61	8.426	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 449	22/06/2021	50 YRS	1731747.08	6033879.66	8.492	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 450	22/06/2021	50 YRS	1731742.70	6033880.34	8.571	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 451	22/06/2021	50 YRS	1731722.18	6033895.23	6.673	1	Private	PVC	100mmID	SW Connection	Hynds	Grass
Lot 452	22/06/2021	50 YRS	1731717.31	6033895.93	8.644	1	Private	PVC	100mmID	SW Connection	Hynds	Grass

## STORMWATER


  
PHILIP COOK  
WDC IQP#014

 www.coco.co.nz Whangarei   Auckland   Wellington   Christchurch	C		PROJECT DETAILS	TITLE	DATE CREATED	DRAWN	DESIGNED	APPROVED
	B		WFH PROPERTIES LIMITED THE LANDING - STAGE 5 ONE TREE POINT RUAKAKA	STORMWATER ASSET REGISTER SHEET 3	10/03/2022	K HANSARD	R BROOKES	P COOK
	A	1st ISSUE			10-03-22	CCL REF NO	SCALE	STATUS
	REV.	REVISION DETAILS			DRAWN APP.	14333-004	NTS @ A3	AS BUILTS
					DWG NUMBER		REVISION	
					AB802		A	

CODE	NAME	DATE INSTALL	EXP LIFE	mE	mN	INVERT IN	INVERT OUT	QUANTITY	PUBLIC/PRIVATE	MATERIAL	SIZE	MFACT	SERVICE
Isolation Valve	IV 40	16/08/2021	50 Yrs	1731849.00	6033677.31	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Isolation Valve	IV 41	16/08/2021	50 Yrs	1731835.24	6033687.14	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Isolation Valve	IV 42	16/08/2021	50 Yrs	1731835.57	6033687.58	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
Flush Point	FP 3	16/08/2021	50 Yrs	1731960.98	6033724.24	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
End Cap	EC 10	16/08/2021	50 Yrs	1731827.82	6033647.12	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS
End Cap	EC 11	16/08/2021	50 Yrs	1731738.02	6033729.87	n/a	n/a	1	Public	n/a	50mmID	Hynds	LPS


CODE	NAME	DATE INSTALL	EXP LIFE	START CO-ORD mE	START CO-ORD mN	MFACT	SIZE	END CO-ORD (mE)	END CO-ORD (mN)	LENGTH	SERVICE
SS Pipe	LINE 13	16/08/2021	50 Yrs	1731834.59	6033696.99	Hynds	50mmID	1731748.38	6033672.70	128	SS Water
SS Pipe	LINE 13.1	16/08/2021	50 Yrs	1731827.82	6033647.12	Hynds	50mmID	1731859.16	6033679.76	47	SS Water
SS Pipe	LINE 14	16/08/2021	50 Yrs	1731738.02	6033729.87	Hynds	50mmID	1731879.91	6033664.51	168	SS Water

## SEWER

  
PHILIP COOK  
WDC IQP#014

CODE	NAME	DATE INSTALL	EXP LIFE	mE	mN	INVERT IN	INVERT OUT	MFACT	SIZE	SERVICE	SURFACE
SS BDY Kit	Lot 250	1/11/2021	50 Yrs	1731737.67	6033729.49	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 251	1/11/2021	50 Yrs	1731757.51	6033731.45	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 252	1/11/2021	50 Yrs	1731792.22	6033747.42	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 253	1/11/2021	50 Yrs	1731796.57	6033745.32	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 254	1/11/2021	50 Yrs	1731831.21	6033795.30	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 255	1/11/2021	50 Yrs	1731786.44	6033848.25	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 256	1/11/2021	50 Yrs	1731813.51	6033828.98	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 257	1/11/2021	50 Yrs	1731814.17	6033828.50	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 258	1/11/2021	50 Yrs	1731843.48	6033807.70	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 259	1/11/2021	50 Yrs	1731844.27	6033807.15	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 260	1/11/2021	50 Yrs	1731873.51	6033786.31	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 261	1/11/2021	50 Yrs	1731874.21	6033785.83	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 262	1/11/2021	50 Yrs	1731903.53	6033765.05	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 263	1/11/2021	50 Yrs	1731904.15	6033764.61	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 264	1/11/2021	50 Yrs	1731932.75	6033744.36	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 271	1/11/2021	50 Yrs	1731878.77	6033686.96	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 272	1/11/2021	50 Yrs	1731914.42	6033736.10	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 273	1/11/2021	50 Yrs	1731897.77	6033747.87	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 274	1/11/2021	50 Yrs	1731862.69	6033698.48	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 275	1/11/2021	50 Yrs	1731861.86	6033698.99	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 276	1/11/2021	50 Yrs	1731897.00	6033748.46	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 277	1/11/2021	50 Yrs	1731865.06	6033771.10	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 278	1/11/2021	50 Yrs	1731829.89	6033721.76	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 279	1/11/2021	50 Yrs	1731829.12	6033722.25	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 280	1/11/2021	50 Yrs	1731864.24	6033771.69	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 281	1/11/2021	50 Yrs	1731847.80	6033783.34	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 282	1/11/2021	50 Yrs	1731797.38	6033744.84	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 283	1/11/2021	50 Yrs	1731783.02	6033731.97	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 284	1/11/2021	50 Yrs	1731802.53	6033719.99	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 285	1/11/2021	50 Yrs	1731803.19	6033719.53	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 286	1/11/2021	50 Yrs	1731819.85	6033707.95	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 287	1/11/2021	50 Yrs	1731789.26	6033659.44	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 288	1/11/2021	50 Yrs	1731766.65	6033675.60	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 289	1/11/2021	50 Yrs	1731765.65	6033676.00	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 290	1/11/2021	50 Yrs	1731747.56	6033672.37	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 291	1/11/2021	50 Yrs	1731789.85	6033658.99	n/a	n/a	Gillies	40mmID	LPS	Grass

## SEWER

  
 PHILIP COOK  
 WDC IQP#014



C			
B			
A	1st ISSUE	10-03-22	KH   PC
REV.	REVISION DETAILS	DRAWN APP.	


PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**


TITLE  
**SEWER ASSET REGISTER**  
**SHEET 2**

DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-004	SCALE NTS @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB811</b>		REVISION <b>A</b>	

CODE	NAME	DATE INSTALL	EXP LIFE	mE	mN	INVERT IN	INVERT OUT	MFACT	SIZE	SERVICE	SURFACE
SS BDY Kit	Lot 316	1/11/2021	50 Yrs	1731827.66	6033647.00	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 317	1/11/2021	50 Yrs	1731828.28	6033647.85	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 318	1/11/2021	50 Yrs	1731840.97	6033665.61	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 447	1/11/2021	50 Yrs	1731785.84	6033848.72	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 448	1/11/2021	50 Yrs	1731758.75	6033868.03	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 449	1/11/2021	50 Yrs	1731758.18	6033868.43	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 450	1/11/2021	50 Yrs	1731732.78	6033886.50	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 451	1/11/2021	50 Yrs	1731732.10	6033886.96	n/a	n/a	Gillies	40mmID	LPS	Grass
SS BDY Kit	Lot 452	1/11/2021	50 Yrs	1731719.24	6033893.67	n/a	n/a	Gillies	40mmID	LPS	Grass

## SEWER


  
PHILIP COOK  
WDC IQP#014


 www.coco.co.nz Whangarei   Auckland   Wellington   Christchurch	C		PROJECT DETAILS WFH PROPERTIES LIMITED THE LANDING - STAGE 5 ONE TREE POINT RUAKAKA	TITLE SEWER ASSET REGISTER SHEET 3	DATE CREATED 10/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
	B				CCL REF NO 14333-004	SCALE NTS @ A3	STATUS AS BUILTS	
	A	1st ISSUE			10-03-22 KH   PC	DWG NUMBER AB812	REVISION A	
	REV.	REVISION DETAILS			DRAWN APP.			

CODE	NAME	DATE INSTALL	EXP LIFE	X CO-ORD (E)	Y CO-ORD (N)	LID LEVEL	PUBLIC / PRIVATE	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE	FH STATIC (KPA)	FH RESIDUAL (KPA)	FH FLOW (LPS)
Sluice Valve	SV 50	24/09/2021	50 Yrs	1731853.43	6033684.64	7.386	Public	Cl	100mmID	Sluice Valve	Hawle	Concrete	-	-	-
Sluice Valve	SV 51	24/09/2021	50 Yrs	1731694.14	6033727.28	7.950	Public	Cl	100mmID	Sluice Valve	Hawle	Concrete	-	-	-
Sluice Valve	SV 52	24/09/2021	50 Yrs	1731693.74	6033727.62	8.340	Public	Cl	150mmID	Sluice Valve	Hawle	Concrete	-	-	-
Peet Valve	PV 20	24/09/2021	50 Yrs	1731853.43	6033684.65	7.404	Public	Cl	50mmID	Peet Valve	Hawle	Concrete	-	-	-
Fire Hydrant	FH 5/1	24/09/2021	50 Yrs	1731785.88	6033847.19	8.557	Public	Cl	n/a	Fire Hydrant	Gillies Hydrants	Concrete	350kpa	150kpa	25.4
Fire Hydrant	FH 5/2	24/09/2021	50 Yrs	1731874.87	6033783.78	7.629	Public	Cl	n/a	Fire Hydrant	Gillies Hydrants	Concrete	300kpa	150kpa	24.5
Fire Hydrant	FH 5/3	24/09/2021	50 Yrs	1731791.02	6033730.28	7.886	Public	Cl	n/a	Fire Hydrant	Gillies Hydrants	Concrete	300kpa	150kpa	24.5
Fire Hydrant	FH 5/4	24/09/2021	50 Yrs	1731826.44	6033647.76	7.728	Public	Cl	n/a	Fire Hydrant	Gillies Hydrants	Concrete	300kpa	150kpa	24.4
MultiBox	JOAL 706	24/09/2021	50 Yrs	1731804.59	6033647.34	7.876	Public	Cl	n/a	MultiBox	Hynds	Concrete	-	-	-
End Cap	EC 10	24/09/2021	50 Yrs	1731815.32	6033635.78	7.860	Public	Cl	100mmID	End Cap	Hynds	Concrete	-	-	-
End Cap	EC 11	24/09/2021	50 Yrs	1731800.17	6033640.84	7.850	Public	Cl	50mmID	End Cap	Hynds	Concrete	-	-	-
End Cap	EC 12	24/09/2021	50 Yrs	1731694.45	6033713.72	8.650	Public	Cl	150mmID	End Cap	Hynds	Concrete	-	-	-

CODE	NAME	DATE INSTALL	EXP LIFE	START CO-ORD mE	START CO-ORD mN	MATERIAL	SIZE	END CO-ORD (mE)	END CO-ORD (mN)	LENGTH	SERVICE
Pipes	W4	24/09/2021	50 Yrs	1731693.74	6033727.24	PE80	100mmID	1731779.48	6033734.48	83	Water
Pipes	W5	24/09/2021	50 Yrs	1731685.40	6033849.02	PE80	100mmID	1731694.47	6033713.72	128	Water
Pipes	W10	24/09/2021	50 Yrs	1731853.58	6033684.79	PE80	100mmID	1731815.31	6033635.78	62	Water
Pipes	W11	24/09/2021	50 Yrs	1731841.09	6033693.45	PE80	50mmID	1731800.17	6033640.84	66	Water

## POTABLE WATER


  
PHILIP COOK  
WDC IQP#014


 Whangarei   Auckland   Wellington   Christchurch	C		PROJECT DETAILS WFH PROPERTIES LIMITED THE LANDING - STAGE 4 ONE TREE POINT RUAKAKA	TITLE POTABLE WATER ASSET REGISTER SHEET 1	DATE CREATED 22/12/2021	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
	B				CCL REF NO 14333-004	SCALE NTS @ A3	STATUS AS BUILTS	
	A	1st ISSUE			22-12-21 KH   PC	DWG NUMBER AB820	REVISION A	
	REV.	REVISION DETAILS			DRAWN APP.			



UNIT TYPE	DESCRIPTION	INSTALL DATE	EXP LIFE	mE	mN	LID LEVEL	LENGTH / QUANTITY	PRIVATE / PUBLIC	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE
Connection	Lot 250	4/11/2021	50 YRS	1731728.79	6033728.72	8.300	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 251	4/11/2021	50 YRS	1731746.45	6033730.21	8.220	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 252	4/11/2021	50 YRS	1731785.50	6033749.63	8.300	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 253	4/11/2021	50 YRS	1731793.30	6033747.08	8.180	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 254	4/11/2021	50 YRS	1731823.52	6033800.79	8.300	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 255	4/11/2021	50 YRS	1731793.30	6033843.57	8.700	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 256	4/11/2021	50 YRS	1731806.95	6033833.80	8.550	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 257	4/11/2021	50 YRS	1731822.68	6033822.58	8.400	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 258	4/11/2021	50 YRS	1731835.98	6033813.15	8.300	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 259	4/11/2021	50 YRS	1731852.55	6033801.44	8.050	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 260	4/11/2021	50 YRS	1731866.04	6033791.80	7.950	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 261	4/11/2021	50 YRS	1731882.01	6033780.47	7.800	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 262	4/11/2021	50 YRS	1731896.70	6033770.01	7.640	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 263	4/11/2021	50 YRS	1731912.38	6033758.83	7.460	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 264	4/11/2021	50 YRS	1731925.78	6033749.17	7.430	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 271	4/11/2021	50 YRS	1731885.91	6033682.00	7.469	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 272	4/11/2021	50 YRS	1731921.32	6033731.07	7.332	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 273	4/11/2021	50 YRS	1731904.79	6033742.83	7.521	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 274	4/11/2021	50 YRS	1731871.50	6033692.35	7.571	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 275	4/11/2021	50 YRS	1731855.22	6033703.80	7.650	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 276	4/11/2021	50 YRS	1731888.87	6033754.18	7.697	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 277	4/11/2021	50 YRS	1731872.40	6033765.93	7.840	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 278	4/11/2021	50 YRS	1731839.03	6033715.43	7.698	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 279	4/11/2021	50 YRS	1731822.38	6033727.32	7.890	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 280	4/11/2021	50 YRS	1731856.17	6033777.50	8.026	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 281	4/11/2021	50 YRS	1731839.77	6033789.08	8.172	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 282	4/11/2021	50 YRS	1731806.21	6033738.82	8.090	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 283	4/11/2021	50 YRS	1731767.83	6033732.14	8.065	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 284	4/11/2021	50 YRS	1731792.86	6033726.79	8.000	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 285	4/11/2021	50 YRS	1731809.71	6033714.80	7.887	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 286	4/11/2021	50 YRS	1731830.78	6033681.25	7.560	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 287	4/11/2021	50 YRS	1731779.06	6033667.37	8.170	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 288	4/11/2021	50 YRS	1731768.48	6033675.21	8.360	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 289	4/11/2021	50 YRS	1731752.79	6033677.03	8.460	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 290	4/11/2021	50 YRS	1731746.78	6033676.26	8.590	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 291	4/11/2021	50 YRS	1731816.04	6033661.21	7.810	1	Public	PE80	20mmID	Water Connection	Hynds	Grass


## POTABLE WATER


  
PHILIP COOK  
WDC IQP#014

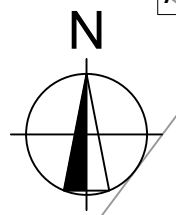
 www.coco.co.nz Whangarei   Auckland   Wellington   Christchurch	C		PROJECT DETAILS		TITLE	DATE CREATED	DRAWN	DESIGNED	APPROVED
	B		WFH PROPERTIES LIMITED		POTABLE WATER ASSET REGISTER	22/12/2021	K HANSARD	R BROOKES	P COOK
	A	1st ISSUE	THE LANDING - STAGE 4		SHEET 2	CCL REF NO	SCALE	STATUS	
	REV.	REVISION DETAILS	RUAKAKA	22-12-21 KH   PC		14333-004	NTS @ A3	AS BUILTS	
						DWG NUMBER	AB821	REVISION	A

UNIT TYPE	DESCRIPTION	INSTALL DATE	EXP LIFE	mE	mN	LID LEVEL	LENGTH / QUANTITY	PRIVATE / PUBLIC	MATERIAL	SIZE	UNIT TYPE	MFACT	SURFACE
Connection	Lot 316	4/11/2021	50 YRS	1731821.70	6033640.74	7.910	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 317	4/11/2021	50 YRS	1731834.27	6033656.26	7.760	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 318	4/11/2021	50 YRS	1731845.06	6033671.30	7.570	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 447	4/11/2021	50 YRS	1731779.99	6033852.88	8.860	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 448	4/11/2021	50 YRS	1731766.34	6033862.62	9.010	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 449	4/11/2021	50 YRS	1731752.01	6033872.78	9.160	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 450	4/11/2021	50 YRS	1731739.75	6033881.45	9.290	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 451	4/11/2021	50 YRS	1731727.11	6033890.05	9.400	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 452	4/11/2021	50 YRS	1731711.84	6033896.02	9.340	1	Public	PE80	20mmID	Water Connection	Hynds	Grass
Connection	Lot 603	4/11/2021	50 YRS	1731686.87	6033847.56	8.800	1	Public	PE80	20mmID	Water Connection	Hynds	Grass



## POTABLE WATER


  
PHILIP COOK  
WDC IQP#014

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	B		WFH PROPERTIES LIMITED THE LANDING - STAGE 4 ONE TREE POINT RUAKAKA	POTABLE WATER ASSET REGISTER SHEET 3	22/12/2021	K HANSARD	R BROOKES	P COOK	
	A	1st ISSUE			22-12-21	SCALE	STATUS		
	REV.	REVISION DETAILS			DRAWN APP.	NTS @ A3	AS BUILTS		
					DWG NUMBER	REVISION			
					AB822	A			



SCALE 1:1500  
0 20 40 60

KEY	
	FRAXINUS GRIFFITHII GRADE PB95 (EVERGRAIN ASH)
	MERTOSIDEROS 'MISTRAL' GRADE PB95 (POHUTUKAWA)

  
 PHILIP COOK  
 WDC IQP#014

NOTE:  
 ALL TREES SHOWN IN BERMS (T1 - T31)  
 WILL BE PLANTED IN MAY 2022



C			
B			
A	1st ISSUE	03-03-22	KH   PC
REV.	REVISION DETAILS	DRAWN APP.	

PROJECT DETAILS  
**WFH PROPERTIES LIMITED**  
**THE LANDING - STAGE 5**  
**ONE TREE POINT**  
**RUAKAKA**

TITLE  
**LANDSCAPING PLAN**

DATE CREATED 03/03/2022	DRAWN K HANSARD	DESIGNED R BROOKES	APPROVED P COOK
CCL REF NO 14333-005	SCALE 1:1500 @ A3	STATUS <b>AS BUILTS</b>	
DWG NUMBER <b>AB900</b>	REVISION <b>A</b>		

SCALE 1:1500  
0 20 40 60